# GTX300089

# AKT pathway Antibody Panel

## Product Content

| Cat No | Product Name | Reactivity | Applications | Package |
|---|---|---|---|---|
| GTX111192 | GSK3 beta antibody [C1C3] | Human, Mouse, Rat | WB, ICC/IF, IHC-P | 25 µl |
| GTX213110-01 | Goat Anti-Rabbit IgG antibody (HRP) | Rabbit | WB, IHC-P, ELISA | 25 µl |
| GTX640258 | AKT antibody [HL2915] | Human, Mouse, Rat | WB, ICC/IF, IHC-P | 25 µl |
| GTX640358 | AKT (phospho Ser473) antibody [HL2971] | Human, Mouse | WB | 25 µl |

**Note**

For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

For full product information, images and publications, please visit our website.



GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

© 2018 GeneTex Inc. All rights reserved.

# GSK3 beta antibody [C1C3]

## Cat. No. GTX111192

| | |
|---|---|
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Applications** | WB, ICC/IF, IHC-P |
| **Reactivity** | Human, Mouse, Rat |

References ( 17 )
Package
100 µl, 25 µl

## Applications

**Application Note**

*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|---|---|
| WB | 1:500-1:3000 |
| ICC/IF | 1:100-1:1000 |
| IHC-P | 1:100-1:1000 |

**Note : The use of GTX111192 for rat is based on IHC-P testing.**

Not tested in other applications.

**Calculated MW** 47 kDa. ( Note )

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Buffer** | PBS, 1% BSA, 20% Glycerol |
| **Preservative** | 0.025% ProClin 300 |
| **Storage** | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles. |
| **Concentration** | 0.45 mg/ml (Please refer to the vial label for the specific concentration.) |
| **Immunogen** | Recombinant protein encompassing a sequence within the center region of human GSK3 beta. The exact sequence is proprietary. |
| **Purification** | Purified by antigen-affinity chromatography. |
| **Conjugation** | Unconjugated |

For full product information, images and publications, please visit our website.



GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

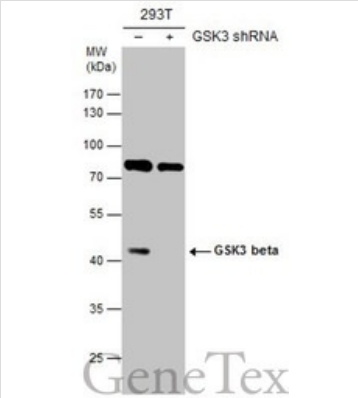
© 2018 GeneTex Inc. All rights reserved.

**Note**

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

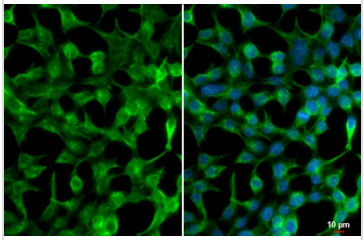
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES



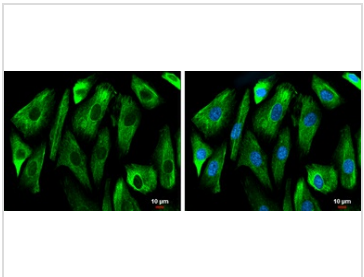

### GTX111192 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GSK3 beta antibody [C1C3] (GTX111192) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



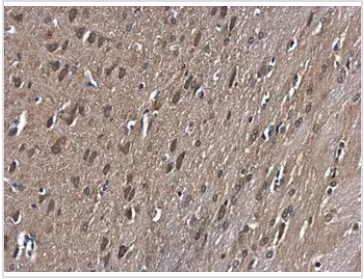
### GTX111192 ICC/IF Image

GSK3 beta antibody [C1C3] detects GSK3 beta protein at cytoplasm and cell membrane by immunofluorescent analysis.
Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.
Green: GSK3 beta stained by GSK3 beta antibody [C1C3] (GTX111192) diluted at 1:500.
Blue: Fluoroshield with DAPI (GTX30920).
Scale bar= 10µm.



### GTX111192 ICC/IF Image

GSK3 beta antibody [C1C3] detects GSK3 beta protein at cytoplasm by immunofluorescent analysis.
Sample: SK-N-SH cells were fixed in 4% paraformaldehyde at RT for 15 min.
Green: GSK3 beta protein stained by GSK3 beta antibody [C1C3] (GTX111192) diluted at 1:400.
Blue: Hoechst 33342 staining.
Scale bar = 10 µm.



### GTX111192 IHC-P Image

GSK3 beta antibody [C1C3] detects GSK3 beta protein at cytoplasm in rat brain by immunohistochemical analysis.
Sample: Paraffin-embedded rat brain.
GSK3 beta antibody [C1C3] (GTX111192) diluted at 1:500.

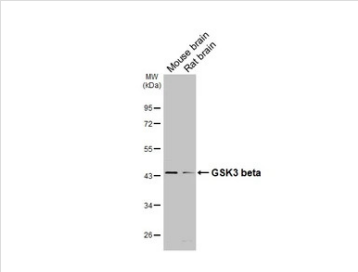
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

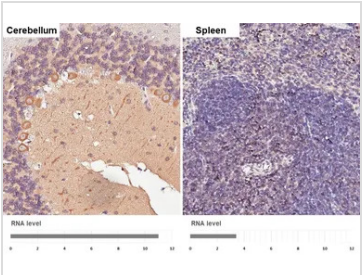
GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

© 2018 GeneTex Inc. All rights reserved.



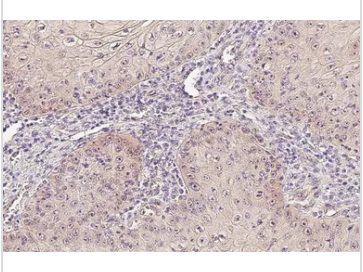

### GTX111192 WB Image

Various tissue extracts (50 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GSK3 beta antibody [C1C3] (GTX111192) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



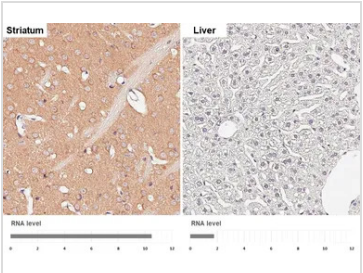

### GTX111192 IHC-P Image

GSK3 beta antibody [C1C3] detects GSK3 beta protein by immunohistochemical analysis.
Sample: Paraffin-embedded mouse tissues.
GSK3 beta stained by GSK3 beta antibody [C1C3] (GTX111192) diluted at 1:500.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min
Corresponding RNA levels (RPKM) in the tissues are based on NCBI database.



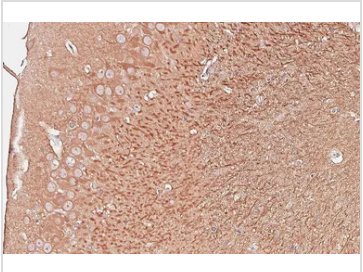
### GTX111192 IHC-P Image

GSK3 beta antibody [C1C3] detects GSK3 beta protein by immunohistochemical analysis.
Sample: Paraffin-embedded human oral cancer.
GSK3 beta stained by GSK3 beta antibody [C1C3] (GTX111192) diluted at 1:500.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min




### GTX111192 IHC-P Image

GSK3 beta antibody [C1C3] detects GSK3 beta protein by immunohistochemical analysis.
Sample: Paraffin-embedded mouse tissues.
GSK3 beta stained by GSK3 beta antibody [C1C3] (GTX111192) diluted at 1:500.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min
Corresponding RNA levels (RPKM) in the tissues are based on NCBI database.



### GTX111192 IHC-P Image

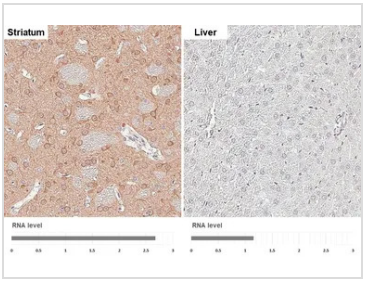
GSK3 beta antibody [C1C3] detects GSK3 beta protein by immunohistochemical analysis.
Sample: Paraffin-embedded rat hippocampus.
GSK3 beta stained by GSK3 beta antibody [C1C3] (GTX111192) diluted at 1:500.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

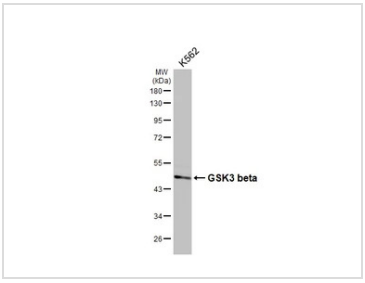
GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

© 2018 GeneTex Inc. All rights reserved.



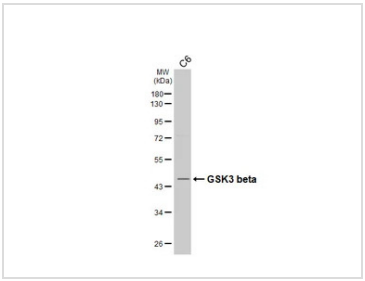

### GTX111192 IHC-P Image

GSK3 beta antibody [C1C3] detects GSK3 beta protein by immunohistochemical analysis.
Sample: Paraffin-embedded rat tissues.
GSK3 beta stained by GSK3 beta antibody [C1C3] (GTX111192) diluted at 1:500.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min
Corresponding RNA levels (RPKM) in the tissues are based on NCBI database.



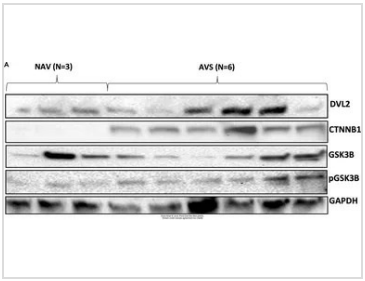

### GTX111192 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GSK3 beta antibody [C1C3] (GTX111192) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.




### GTX111192 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GSK3 beta antibody [C1C3] (GTX111192) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.




### GTX111192 WB Image

The data was published in the 2020 in Front Cell Dev Biol. PMID: 33015048

For full product information, images and publications, please visit our website.



GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

© 2018 GeneTex Inc. All rights reserved.

# Goat Anti-Rabbit IgG antibody (HRP)

## Cat. No. GTX213110-01

| | |
|---|---|
| **Host** | Goat |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Applications** | WB, IHC-P, ELISA |
| **Reactivity** | Rabbit |

References ( 668 )
Package
1 ml

## Applications

**Application Note**

*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|---|---|
| WB | 1:5000-1:20000 |
| IHC-P | 1:100-1:1000 |
| ELISA | 1:5000-1:20000 |

Not tested in other applications.

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Buffer** | 0.05M Tris, 0.15M NaCl |
| **Preservative** | 0.025% ProClin 300 |
| **Storage** | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles. |
| **Concentration** | 0.2 mg/ml (Please refer to the vial label for the specific concentration.) |
| **Immunogen** | Highly purified whole rabbit IgG |
| **Purification** | Purified by antigen-affinity chromatography. |
| **Conjugation** | Horseradish peroxidase(HRP) |
| **Note** | For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.<br><br>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product. |

For full product information, images and publications, please visit our website.

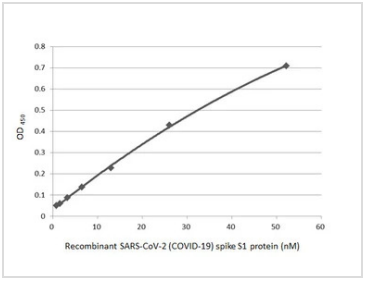


GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

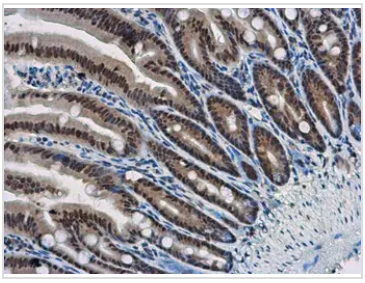
© 2018 GeneTex Inc. All rights reserved.

## DATA IMAGES



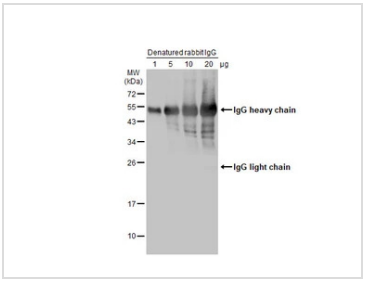

### GTX213110-01 ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike S1 protein, His tag (active) (GTX135817-pro) (52.15-0.81 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL134] (GTX635671) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.



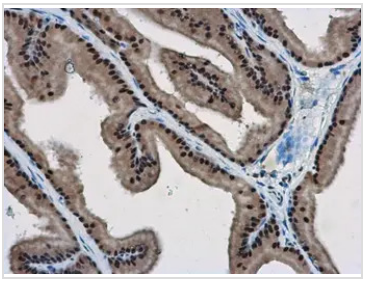
### GTX213110-01 IHC-P Image

WBP11 antibody detects WBP11 protein at nucleus in mouse intestine by immunohistochemical analysis.
Sample: Paraffin-embeddedmouse intestine.
WBP11 antibody (GTX118654) diluted at 1:500.
The signal was developed byRabbit IgG antibody (HRP) (GTX213110-01)
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



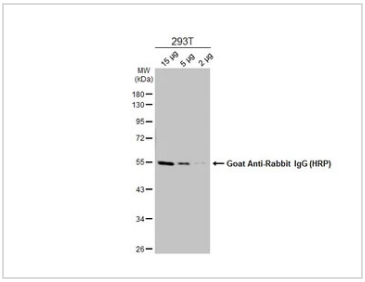

### GTX213110-01 WB Image

Various amounts of denatured rabbit IgG protein were separated by 12% SDS-PAGE, and the membrane was blotted with HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) diluted at 1:5000.



### GTX213110-01 IHC-P Image

WBP11 antibody detects WBP11 protein at nucleus in rat prostate by immunohistochemical analysis.
Sample: Paraffin-embedded rat prostate.
WBP11 antibody (GTX118654) diluted at 1:500.
The signal was developed by Rabbit IgG antibody (HRP) (GTX213110-01).
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min




### GTX213110-01 WB Image

Various whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody (GTX112141) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

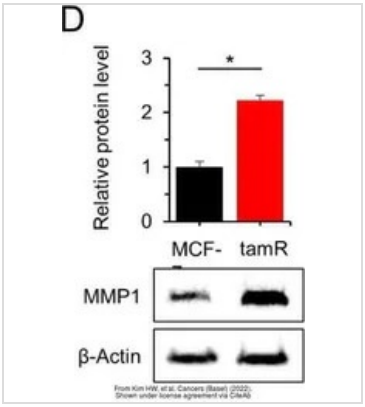
For full product information, images and publications, please visit our website.



GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

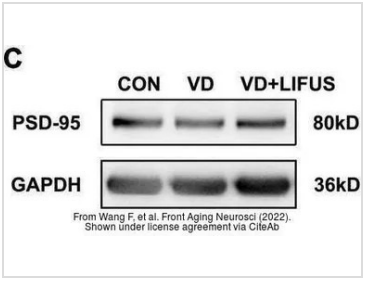
GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

© 2018 GeneTex Inc. All rights reserved.



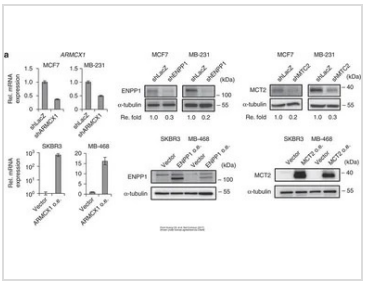

**GTX213110-01 WB Image**

The data was published in the 2022 in Cancers (Basel). PMID: 35267540



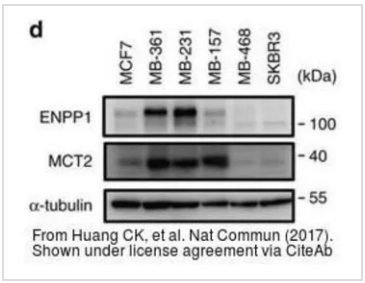

**GTX213110-01 WB Image**

The data was published in the 2022 in Front Aging Neurosci. PMID: 35264943



**GTX213110-01 WB Image**

The data was published in the 2017 in Nat Commun. PMID: 28281525




**GTX213110-01 WB Image**

The data was published in the 2017 in Nat Commun. PMID: 28281525

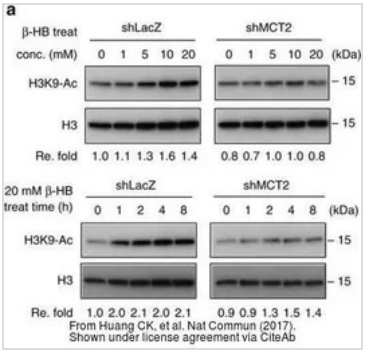
For full product information, images and publications, please visit our website.



GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

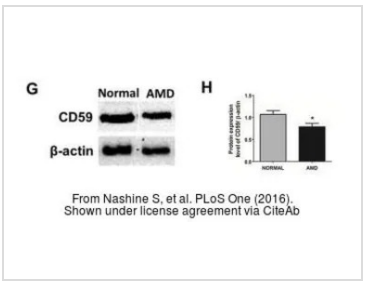
GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

© 2018 GeneTex Inc. All rights reserved.



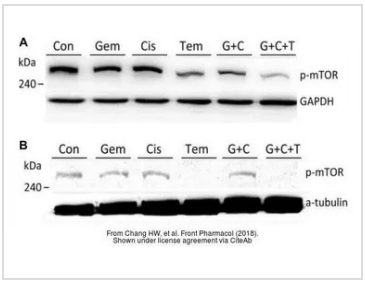

**GTX213110-01 WB Image**

The data was published in the 2017 in Nat Commun. PMID: 28281525



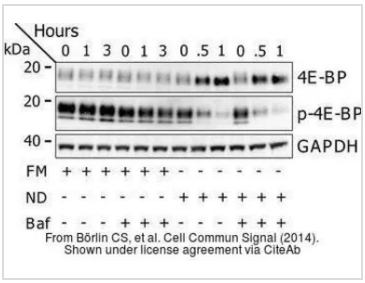

**GTX213110-01 WB Image**

The data was published in the 2016 in PLoS One. PMID: 27486856



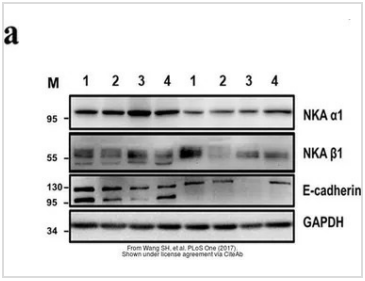

**GTX213110-01 WB Image**

The data was published in the journal Front Pharmacol in 2018.PMID: 30087612




**GTX213110-01 WB Image**

The data was published in the journal Cell Commun Signal in 2014.PMID: 25214434




**GTX213110-01 WB Image**

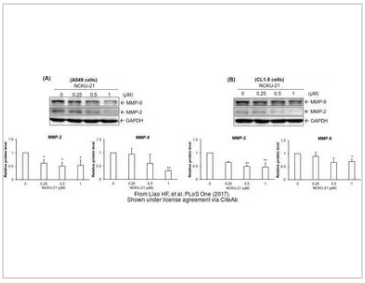
The data was published in the journal PLoS One in 2017.PMID: 28832634



GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

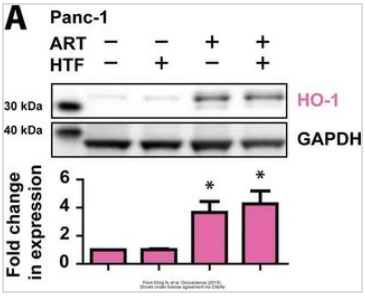
GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

© 2018 GeneTex Inc. All rights reserved.



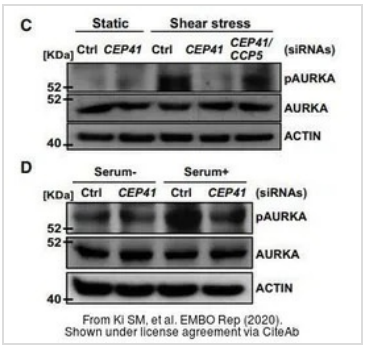
**GTX213110-01 WB Image**

The data was published in the journal PLoS One in 2017. PMID: 28945763



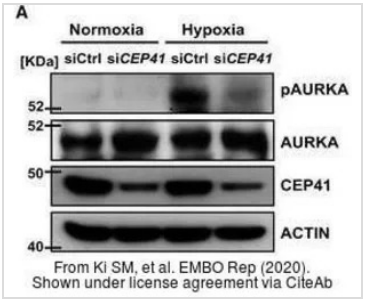

**GTX213110-01 WB Image**

The data was published in the journal Oncoscience in 2015. PMID: 26097885



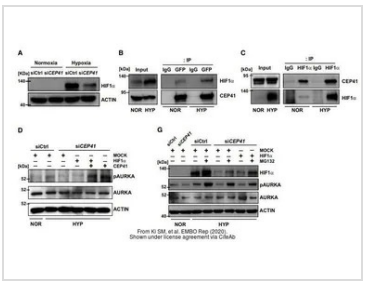

**GTX213110-01 WB Image**

The data was published in the journal EMBO Rep in 2020. PMID: 31885126




**GTX213110-01 WB Image**

The data was published in the journal EMBO Rep in 2020. PMID: 31885126



**GTX213110-01 WB Image**

The data was published in the journal EMBO Rep in 2020. PMID: 31885126

For full product information, images and publications, please visit our website.



GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

© 2018 GeneTex Inc. All rights reserved.

# AKT antibody [HL2915]

## Cat. No. GTX640258

| | |
|---|---|
| **Host** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype** | IgG |
| **Applications** | WB, ICC/IF, IHC-P |
| **Reactivity** | Human, Mouse, Rat |

References ( 4 )
Package
100 µl, 25 µl

## Applications

**Application Note**

*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|---|---|
| WB | 1:500-1:10000 |
| ICC/IF | Assay dependent |
| IHC-P | Assay dependent |

Not tested in other applications.

| | |
|---|---|
| **Observed MW (kDa)** | 60 kDa. |

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Buffer** | PBS |
| **Preservative** | No preservatives |
| **Storage** | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles. |
| **Concentration** | 1 mg/ml (Please refer to the vial label for the specific concentration.) |
| **Immunogen** | Recombinant fragment of human AKT. |
| **Purification** | Affinity purified by Protein A. |
| **Conjugation** | Unconjugated |
| **Note** | For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.<br><br>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product. |

For full product information, images and publications, please visit our website.

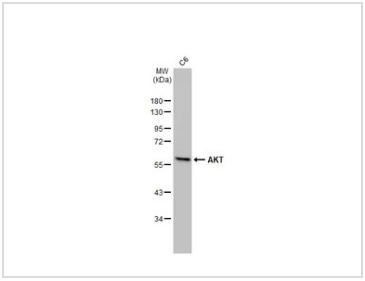


GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

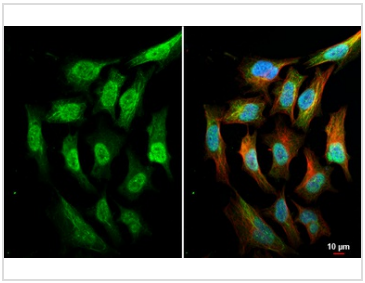
© 2018 GeneTex Inc. All rights reserved.

## DATA IMAGES



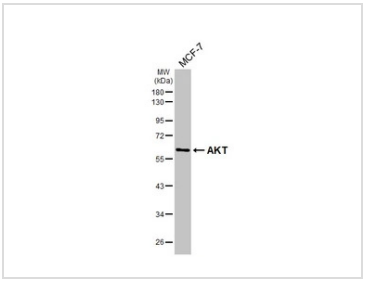

### GTX640258 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with AKT antibody [HL2915] (GTX640258) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



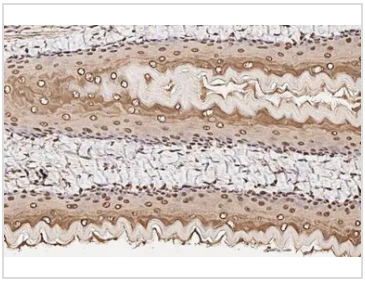

### GTX640258 ICC/IF Image

AKT antibody [HL2915] detects AKT protein by immunofluorescent analysis.
Sample: HeLa cells were fixed in ice-cold MeOH for 5 min.
Green: AKT stained by AKT antibody [HL2915] (GTX640258) diluted at 1:500.
Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:1000.
Blue: Fluoroshield with DAPI (GTX30920).



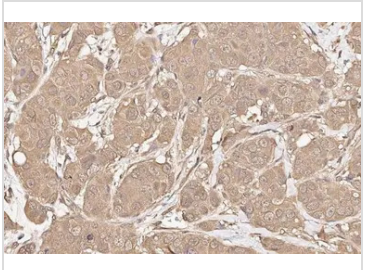

### GTX640258 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with AKT antibody [HL2915] (GTX640258) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



### GTX640258 IHC-P Image

AKT antibody [HL2915] detects AKT protein by immunohistochemical analysis.
Sample: Paraffin-embedded rat esophagus.
AKT stained by AKT antibody [HL2915] (GTX640258) diluted at 1:100.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



### GTX640258 IHC-P Image

AKT antibody [HL2915] detects AKT protein by immunohistochemical analysis.
Sample: Paraffin-embedded human breast carcinoma.
AKT stained by AKT antibody [HL2915] (GTX640258) diluted at 1:100.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

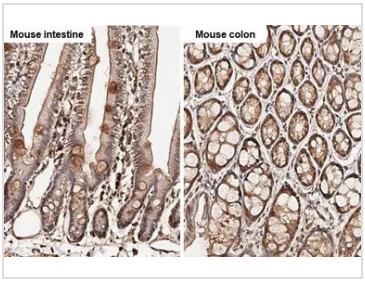
For full product information, images and publications, please visit our website.



GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

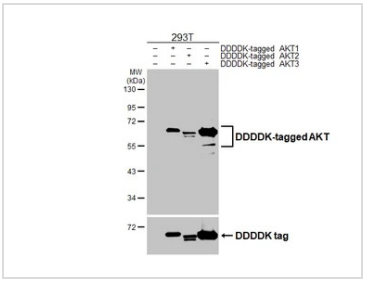
GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

© 2018 GeneTex Inc. All rights reserved.



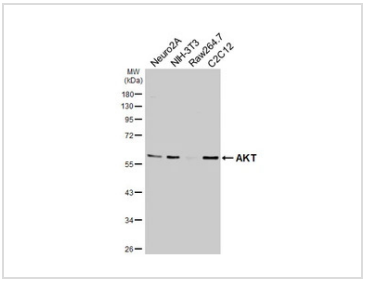

### GTX640258 IHC-P Image

AKT antibody [HL2915] detects AKT protein by immunohistochemical analysis.
Sample: Paraffin-embedded mouse tissues.
AKT stained by AKT antibody [HL2915] (GTX640258) diluted at 1:100.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min




### GTX640258 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with AKT antibody [HL2915] (GTX640258) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.




### GTX640258 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with AKT antibody [HL2915] (GTX640258) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

© 2018 GeneTex Inc. All rights reserved.

# AKT (phospho Ser473) antibody [HL2971]

## Cat. No. GTX640358

| | |
|---|---|
| **Host** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype** | IgG |
| **Applications** | WB |
| **Reactivity** | Human, Mouse |

References ( 1 )
Package
100 µl, 25 µl

## Applications

**Application Note**

*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|---|---|
| WB | Assay dependent |

Not tested in other applications.

| | |
|---|---|
| **Calculated MW** | 56 kDa. ( Note ) |
| **Product Note** | This antibody is raised against human AKT1 phosphorylated at Ser473. Based on sequence homology, it is predicted to react with AKT2 and AKT3 when phosphorylated at the corresponding residues - AKT2 Ser474 and AKT3 Ser472. |

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Buffer** | PBS |
| **Preservative** | No preservatives |
| **Storage** | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles. |
| **Concentration** | 1 mg/ml (Please refer to the vial label for the specific concentration.) |
| **Immunogen** | Carrier-protein conjugated synthetic peptide surrounding phospho Ser473 of human AKT1. The exact sequence is proprietary. |
| **Purification** | Affinity purified by Protein A. |
| **Conjugation** | Unconjugated |
| **Note** | For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.<br><br>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product. |

For full product information, images and publications, please visit our website.

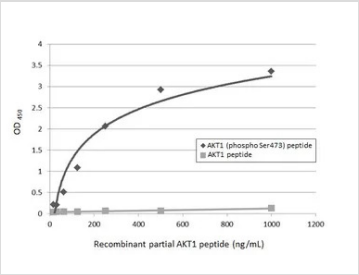


GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

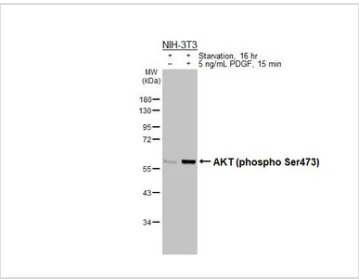
© 2018 GeneTex Inc. All rights reserved.

## DATA IMAGES




### GTX640358 Image

Specificity test analysis was performed by coating the plate with recombinant AKT1 peptide and AKT1 (phospho Ser473) peptide (1000-15.63 ng/mL). Coated protein was probed with AKT (phospho Ser473) antibody [HL2971] (GTX640358) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect the bound primary antibody.




### GTX640358 WB Image

Untreated (–) and treated (+) NIH-3T3 whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with AKT (phospho Ser473) antibody [HL2971] (GTX640358) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

For full product information, images and publications, please visit our website.



GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

© 2018 GeneTex Inc. All rights reserved.