

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

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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 4°C. For long-term storage, aliquot and store at -20°C 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

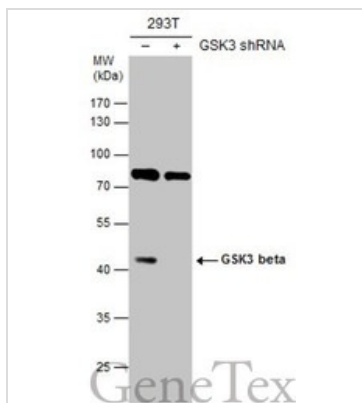


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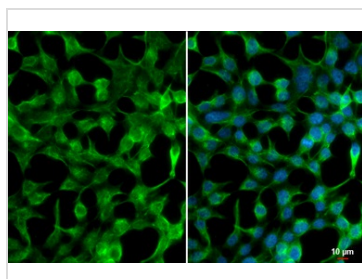
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Note

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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

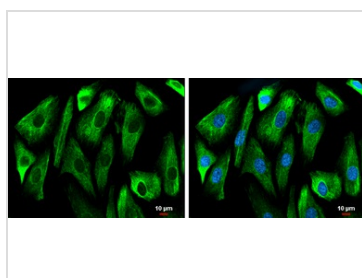
GSK3 beta antibody [C1C3] detects GSK3 beta protein at cytoplasm and cell membrane by immunofluorescent analysis.

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 = 10 µm.


GTX111192 ICC/IF Image

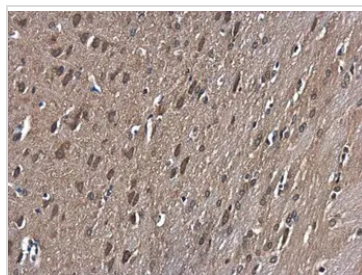
GSK3 beta antibody [C1C3] detects GSK3 beta protein at cytoplasm by immunofluorescent analysis.

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.

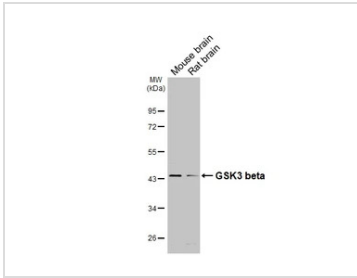
Sample: Paraffin-embedded rat brain.

GSK3 beta antibody [C1C3] (GTX111192) diluted at 1:500.

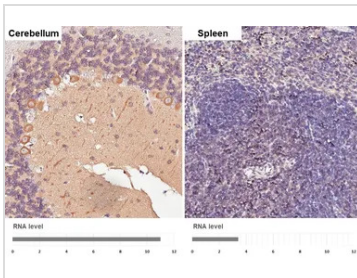
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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GTK111192 WB Image

Various tissue extracts (50 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GSK3 beta antibody [C1C3] (GTK111192) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTK213110-01) was used to detect the primary antibody.


GTK111192 IHC-P Image

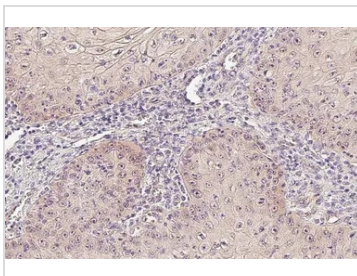
GSK3 beta antibody [C1C3] detects GSK3 beta protein by immunohistochemical analysis.

Sample: Paraffin-embedded mouse tissues.

GSK3 beta stained by GSK3 beta antibody [C1C3] (GTK111192) 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.

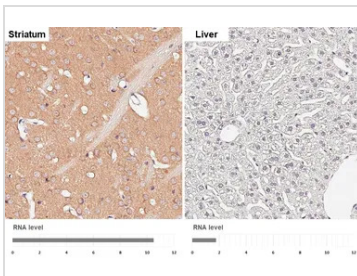

GTK111192 IHC-P Image

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] (GTK111192) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


GTK111192 IHC-P Image

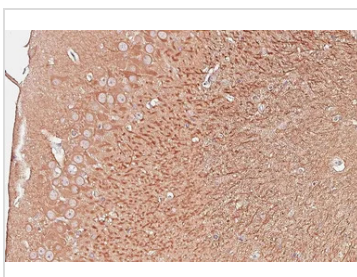
GSK3 beta antibody [C1C3] detects GSK3 beta protein by immunohistochemical analysis.

Sample: Paraffin-embedded mouse tissues.

GSK3 beta stained by GSK3 beta antibody [C1C3] (GTK111192) 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.


GTK111192 IHC-P Image

GSK3 beta antibody [C1C3] detects GSK3 beta protein by immunohistochemical analysis.

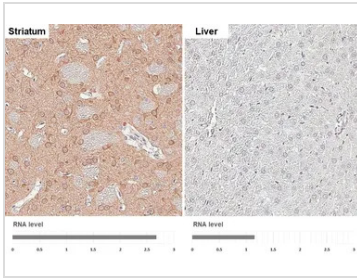
Sample: Paraffin-embedded rat hippocampus.

GSK3 beta stained by GSK3 beta antibody [C1C3] (GTK111192) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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GTx111192 IHC-P Image

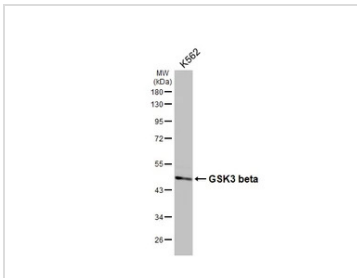
GSK3 beta antibody [C1C3] detects GSK3 beta protein by immunohistochemical analysis.

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.

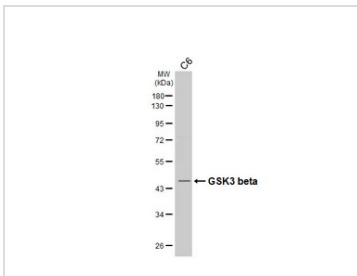


GTx111192 WB Image

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.

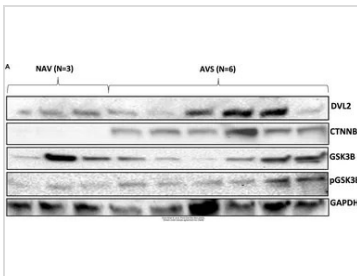


GTx111192 WB Image

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](https://pubmed.ncbi.nlm.nih.gov/33015048/).



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Goat Anti-Rabbit IgG antibody (HRP)

Cat. No. GTX213110-01

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

References (648)

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 4°C. For long-term storage, aliquot and store at -20°C 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

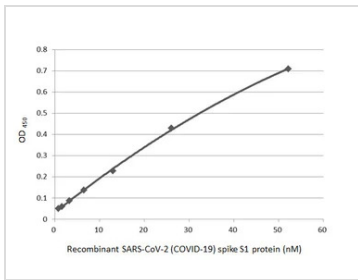
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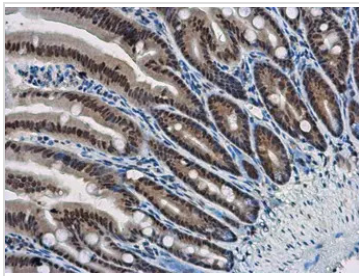
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DATA IMAGES



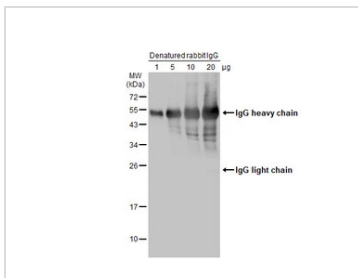
GTX213110-01 ELISA Image

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.



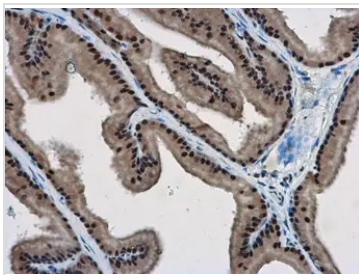
GTX213110-01 IHC-P Image

WBP11 antibody detects WBP11 protein at nucleus in mouse intestine by immunohistochemical analysis.
Sample: Paraffin-embedded mouse intestine.
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



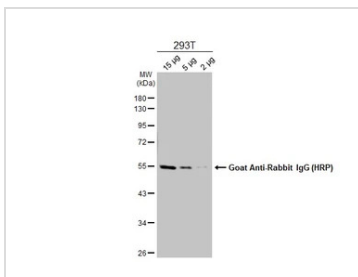
GTX213110-01 WB Image

Various 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

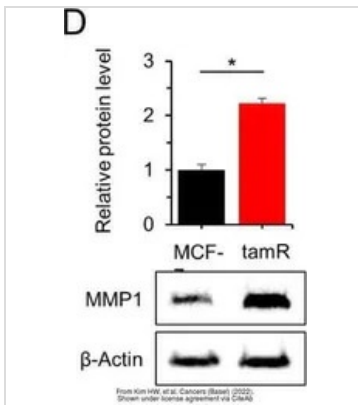


GTX213110-01 WB Image

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.

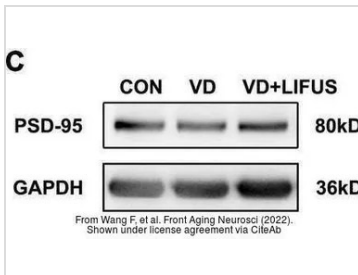


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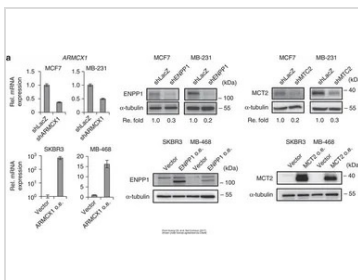
GTX213110-01 WB Image

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



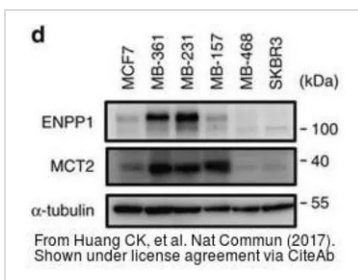
GTX213110-01 WB Image

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](#)

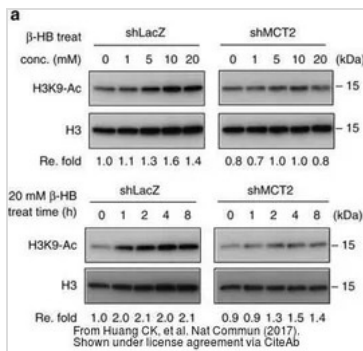


GTX213110-01 WB Image

The data was published in the 2017 in Nat Commun. [PMID: 28281525](#)

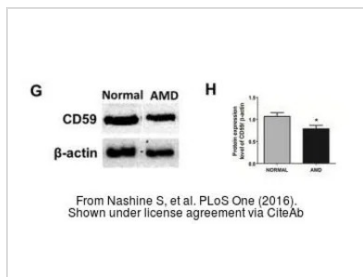


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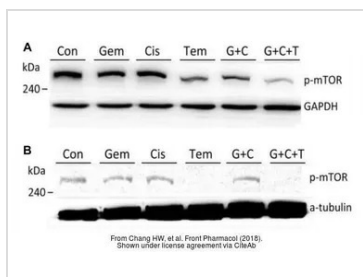
GTx213110-01 WB Image

The data was published in the 2017 in Nat Commun. [PMID: 28281525](#)



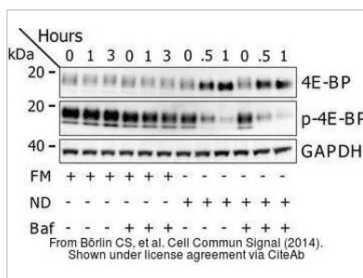
GTx213110-01 WB Image

The data was published in the 2016 in PLoS One. [PMID: 27486856](#)



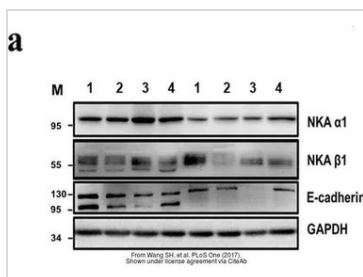
GTx213110-01 WB Image

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](#)

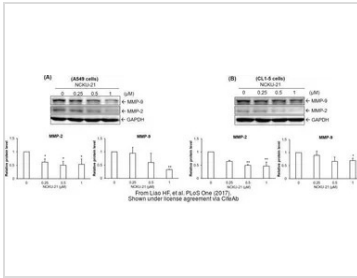


GTx213110-01 WB Image

The data was published in the journal PLoS One in 2017. [PMID: 28832634](#)

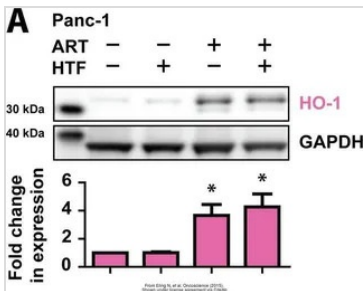


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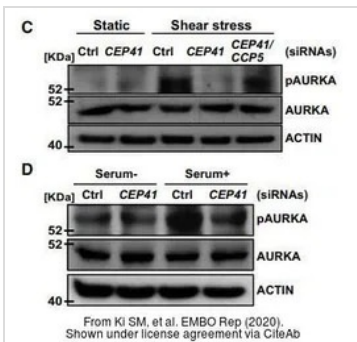
GTX213110-01 WB Image

The data was published in the journal PLoS One in 2017. [PMID: 28945763](#)



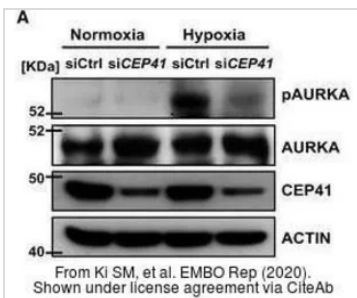
GTX213110-01 WB Image

The data was published in the journal Oncoscience in 2015. [PMID: 26097885](#)



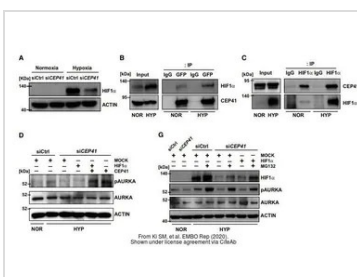
GTX213110-01 WB Image

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](#)



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AKT antibody [HL2915]

Cat. No. GTX640258

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

References (1)

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 4°C. For long-term storage, aliquot and store at -20°C 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

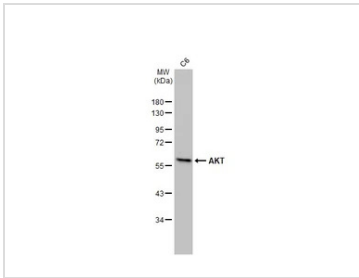
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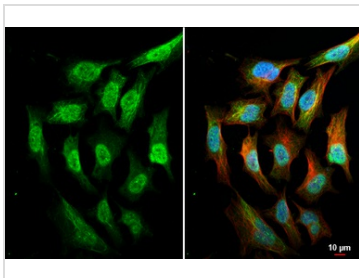
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DATA IMAGES

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

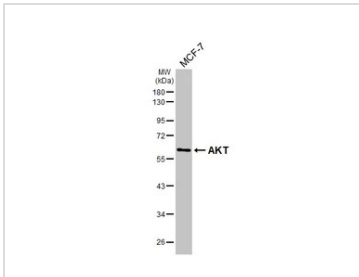
AKT antibody [HL2915] detects AKT protein by immunofluorescent analysis.

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.

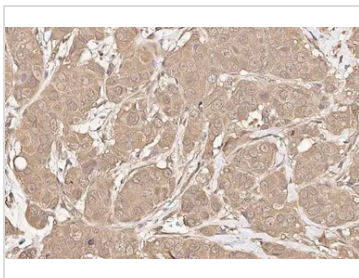

GTX640258 IHC-P Image

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



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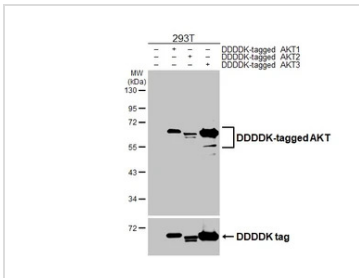
GTK640258 IHC-P Image

AKT antibody [HL2915] detects AKT protein by immunohistochemical analysis.

Sample: Paraffin-embedded mouse tissues.

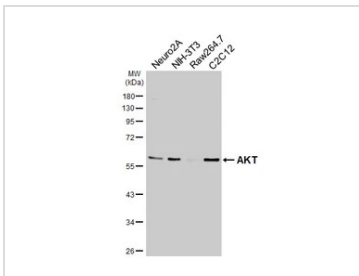
AKT stained by AKT antibody [HL2915] (GTK640258) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTK640258 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] (GTK640258) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTK213110-01) was used to detect the primary antibody.



GTK640258 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with AKT antibody [HL2915] (GTK640258) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTK213110-01) was used to detect the primary antibody.



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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 4°C. For long-term storage, aliquot and store at -20°C 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

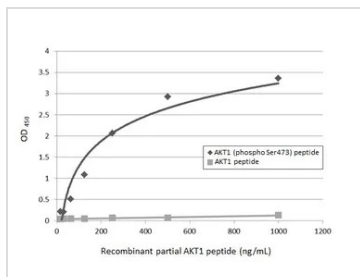
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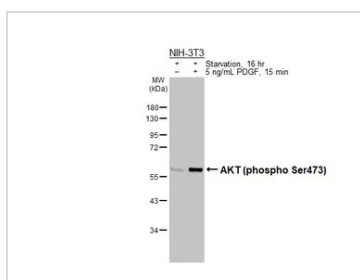
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DATA IMAGES



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.



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