

GTX300029

iPSC Antibody Panel - Yamanaka factor

Product Content

Cat No	Product Name	Reactivity	Applications	Package
GTX100622	Oct4 antibody	Human, Mouse	WB, ICC/IF, FCM, IP	25 µl
GTX109636	c-Myc antibody [N1], N-term	Human	WB	25 µl
GTX213110-01	Goat Anti-Rabbit IgG antibody (HRP)	Rabbit	WB, IHC-P, ELISA	25 µl
GTX48037	SSEA-4 antibody [MC-813-70]	Human	WB, ICC/IF, IHC-P, FCM, IP, IHC	25 µl
GTX636505	SOX2 antibody [HL1193]	Human, Mouse, Rat, Cat	WB, ICC/IF, IHC-P, IP	25 µl

Note

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Oct4 antibody

Cat. No. GTX100622

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, FCM, IP
Reactivity	Human, Mouse

References (5)

Package

100 µl, 25 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:1000-1:20000
ICC/IF	1:100-1:1000
FCM	1:50-1:200
IP	1:500-1:1000

Not tested in other applications.

Calculated MW 39 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	0.32 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human Oct4. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

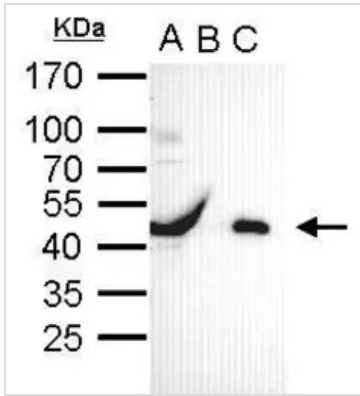
Note

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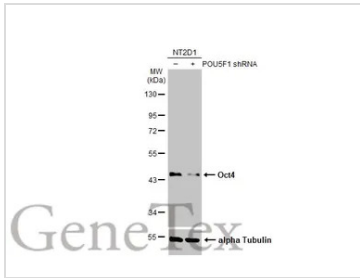
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DATA IMAGES



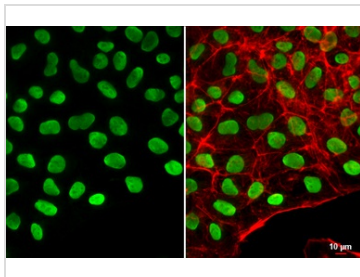
GTX100622 IP Image

Oct4 antibody immunoprecipitates Oct4 protein in IP experiments. IP Sample: cell lysate/extract of Oct4 gene transfected 293T cells A. Cell lysate/extract of transfected 293T cell B. Control with 2 µg of preimmune rabbit IgG C. Immunoprecipitation of Oct4 by 2 µg of Oct4 antibody (GTX100622) 12% SDS-PAGE The immunoprecipitated Oct4 protein was detected by Oct4 antibody (GTX100622) diluted at 1:1000. EasyBlot anti-rabbit IgG (GTX221666-01) was used as a secondary reagent.



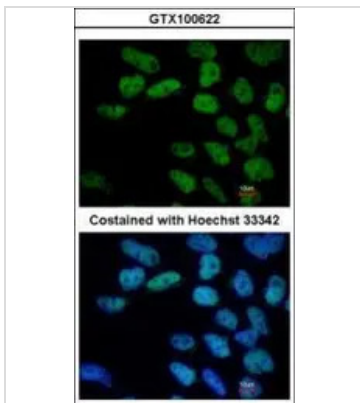
GTX100622 WB Image

Non-transfected (-) and transfected (+) NT2D1 whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Oct4 antibody (GTX100622) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX100622 ICC/IF Image

Oct4 antibody detects Oct4 protein at nucleus by immunofluorescent analysis. Sample: NT2D1 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Oct4 stained by Oct4 antibody (GTX100622) diluted at 1:500. Red: phalloidin, a cytoskeleton marker, diluted at 1:200. Scale bar= 10 µm.

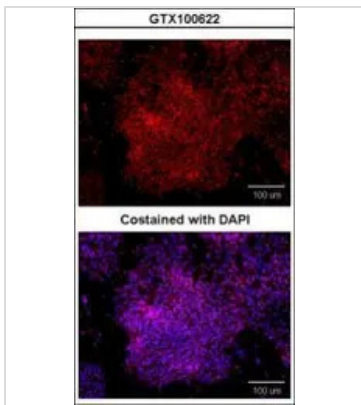


GTX100622 ICC/IF Image

Immunofluorescence analysis of paraformaldehyde-fixed Human ESC, using Oct4(GTX100622) antibody at 1:400 dilution.

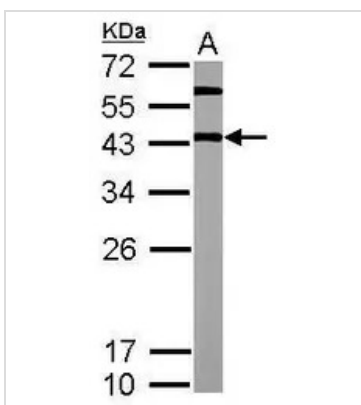


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GTX100622 ICC/IF Image

Immunofluorescence analysis of paraformaldehyde-fixed human embryonic stem cell, using Oct4(GTX100622) antibody at 1:100 dilution.



GTX100622 WB Image

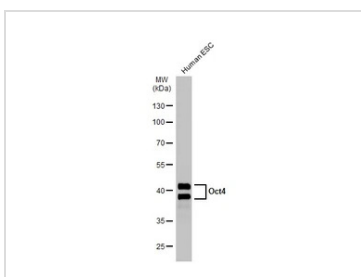
Sample (20 µg of whole cell lysate)

A: mouse ESC

12% SDS PAGE

GTX100622 diluted at 1:5000

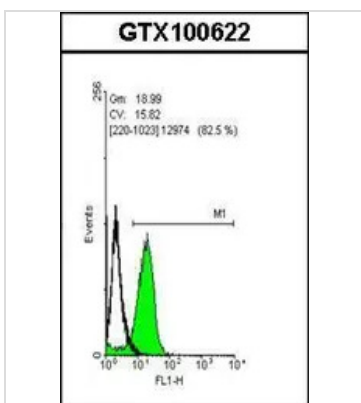
The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX100622 WB Image

Human tissue extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with Oct4 antibody (GTX100622) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

The observed M.W. is based on the publication: PMID: 23642364

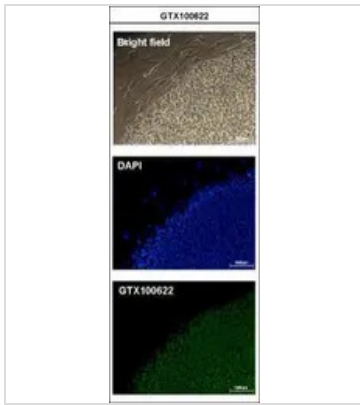


GTX100622 FCM Image

Flow cytometry on human embryonic stem cells, staining with Oct4 (GTX100622)antibody at 1:50 dilution(green) or rabbit IgG (black).



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**GTX100622 ICC/IF Image**

Immunofluorescence analysis of paraformaldehyde-fixed human embryonic stem cell, using Oct4(GTX100622) antibody at 1:200 dilution.



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c-Myc antibody [N1], N-term

Cat. No. GTX109636

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB
Reactivity	Human

References (4)

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	49 kDa. (Note)
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Product Note	This antibody can detect the endogenous c-Myc, but it is unable to recognize the c-Myc tag.
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Properties

Form	Liquid
Buffer	PBS, 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	2.17 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of human c-Myc. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

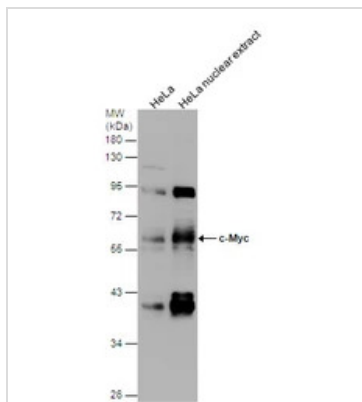
Note

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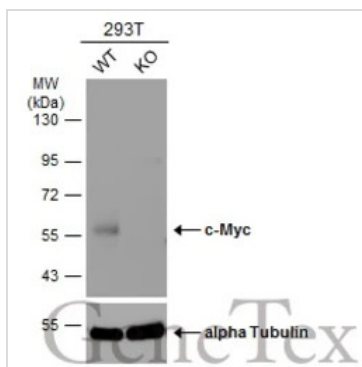
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DATA IMAGES

**GTX109636 WB Image**

c-Myc antibody [N1], N-term detects c-Myc protein by Western blot analysis. HeLa whole cell extracts and nuclear extracts (30 μ g) were separated by 10% SDS-PAGE, and the membrane was blotted with c-Myc antibody [N1], N-term (GTX109636) diluted at 1:1000.

**GTX109636 WB Image**

Wild-type (WT) and c-Myc knockout (KO) 293T cell extracts (30 μ g) were separated by 10% SDS-PAGE, and the membrane was blotted with c-Myc antibody [N1], N-term (GTX109636) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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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 (638)

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)

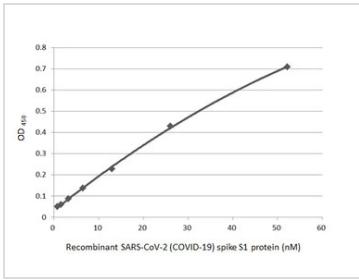
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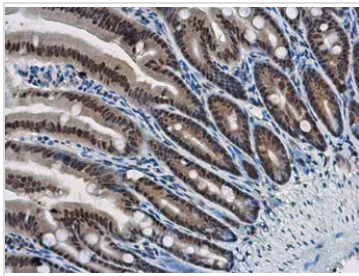
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DATA IMAGES



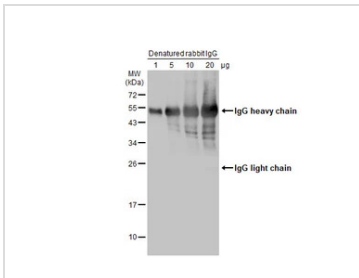
GTX213110-01 ELISA Image

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.



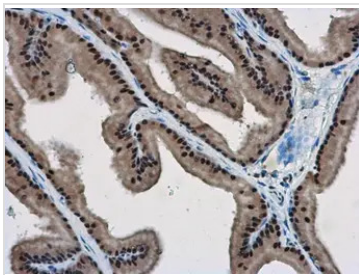
GTX213110-01 IHC-P Image

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



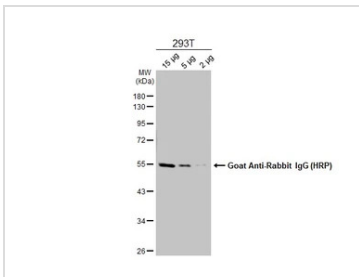
GTX213110-01 WB Image

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

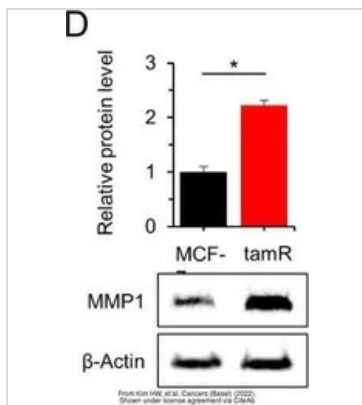


GTX213110-01 WB Image

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.

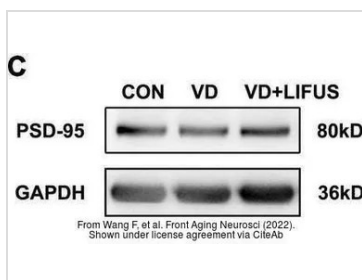


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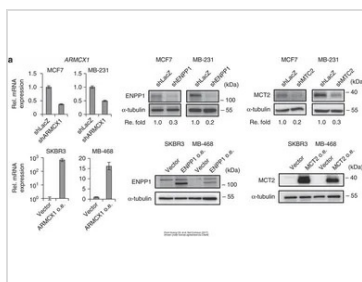
GTx213110-01 WB Image

The data was published in the 2022 in Cancers (Basel). [PMID: 35267540](https://pubmed.ncbi.nlm.nih.gov/35267540/)



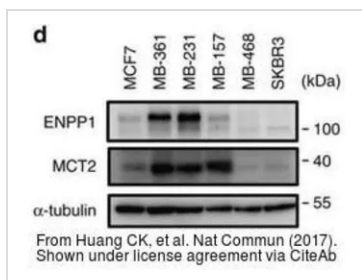
GTx213110-01 WB Image

The data was published in the 2022 in Front Aging Neurosci. [PMID: 35264943](https://pubmed.ncbi.nlm.nih.gov/35264943/)



GTx213110-01 WB Image

The data was published in the 2017 in Nat Commun. [PMID: 28281525](https://pubmed.ncbi.nlm.nih.gov/28281525/)

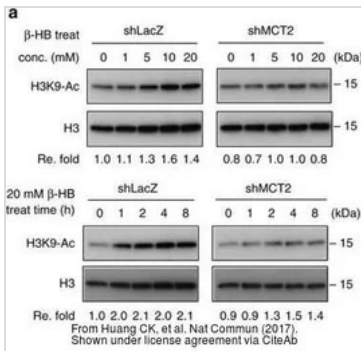


GTx213110-01 WB Image

The data was published in the 2017 in Nat Commun. [PMID: 28281525](https://pubmed.ncbi.nlm.nih.gov/28281525/)

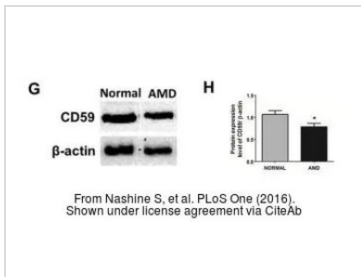


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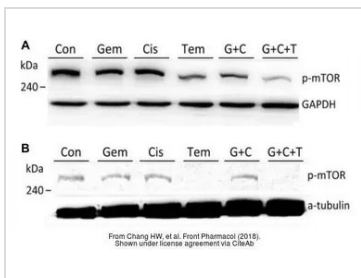
GTx213110-01 WB Image

The data was published in the 2017 in Nat Commun. [PMID: 28281525](https://pubmed.ncbi.nlm.nih.gov/28281525/)



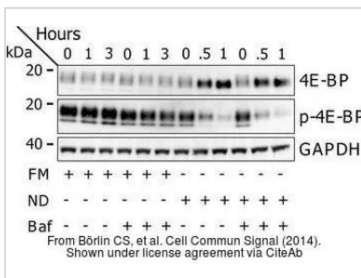
GTx213110-01 WB Image

The data was published in the 2016 in PLoS One. [PMID: 27486856](https://pubmed.ncbi.nlm.nih.gov/27486856/)



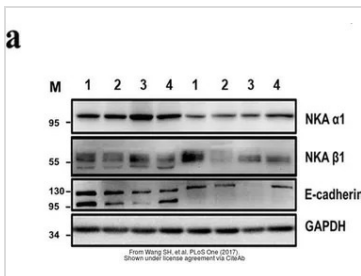
GTx213110-01 WB Image

The data was published in the journal Front Pharmacol in 2018. [PMID: 30087612](https://pubmed.ncbi.nlm.nih.gov/30087612/)



GTx213110-01 WB Image

The data was published in the journal Cell Commun Signal in 2014. [PMID: 25214434](https://pubmed.ncbi.nlm.nih.gov/25214434/)

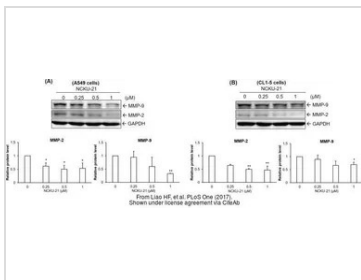


GTx213110-01 WB Image

The data was published in the journal PLoS One in 2017. [PMID: 28832634](https://pubmed.ncbi.nlm.nih.gov/28832634/)

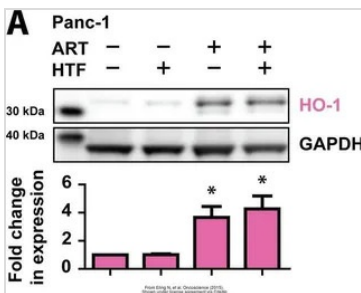


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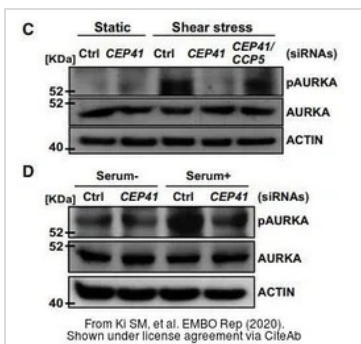
GTX213110-01 WB Image

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



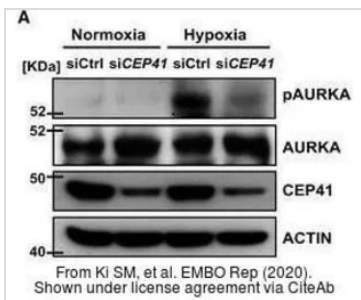
GTX213110-01 WB Image

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



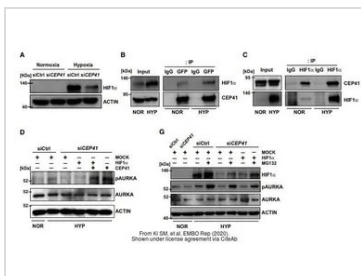
GTX213110-01 WB Image

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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SSEA-4 antibody [MC-813-70]

Cat. No. GTX48037

Host	Mouse
Clonality	Monoclonal
Isotype	IgG3
Applications	WB, ICC/IF, IHC-P, FCM, IP, IHC
Reactivity	Human

References (6)

Package

100 µg

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
IHC-P	Assay dependent
FCM	Assay dependent
IP	Assay dependent
IHC	Assay dependent

Not tested in other applications.

Properties

Form	Liquid
Buffer	PBS, 0.05% BSA
Preservative	0.05% Sodium azide
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	0.5 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Human embryonal carcinoma cell line 2102Ep
Purification	Purified by affinity chromatography
Conjugation	Unconjugated



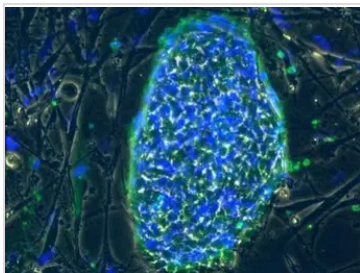
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Note

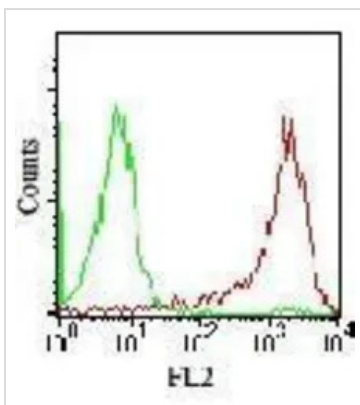
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DATA IMAGES

**GTX48037 ICC/IF Image**

ICC/IF analysis of H9 cells using GTX48037 SSEA-4 antibody.

Green : Primary antibody

**GTX48037 FCM Image**

FACS analysis of 2102Ep cells using GTX48037 SSEA-4 antibody.

Red : Primary antibody

Green : Isotype control

Antibody amount : 0.1 ug



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SOX2 antibody [HL1193]

Cat. No. GTX636505

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

 Review (2)

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	Assay dependent
IHC-P	Assay dependent
IP	Assay dependent

Not tested in other applications.

Observed MW (kDa) 34 kDa.

Product Note This antibody may not be suitable for rat IHC-P assay, as its rat reactivity is based on ICC/IF testing.

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 SOX2.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

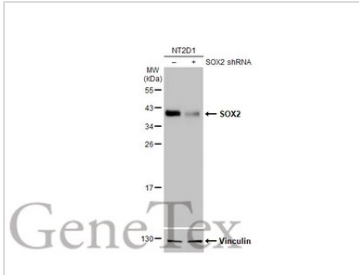


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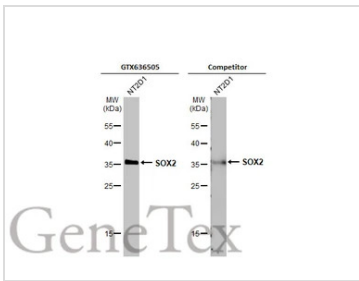
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DATA IMAGES



GTX636505 WB Image

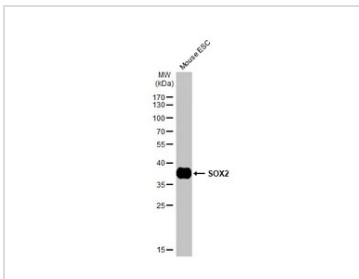
Non-transfected (-) and transfected (+) NT2D1 whole cell extract (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with SOX2 antibody [HL1193] (GTX636505) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX636505 WB Image

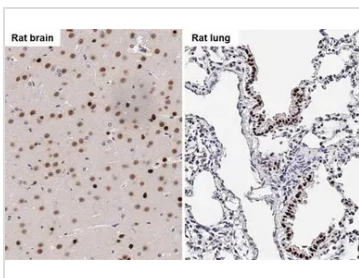
Whole cell extract (30 µg) was separated by 12% SDS-PAGE, and the membranes were blotted with SOX2 antibody [HL1193] (GTX636505) diluted at 1:1000 and competitor's antibody (sc-17320) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

*The competitor is not affiliated with GeneTex and does not endorse this product.



GTX636505 WB Image

Mouse ESC extract (50 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with SOX2 antibody [HL1193] (GTX636505) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

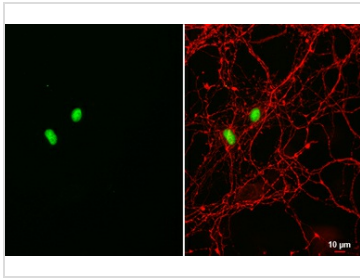


GTX636505 IHC-P Image

SOX2 antibody detects SOX2 protein by immunohistochemical analysis.
Sample: Paraffin-embedded rat tissues.
SOX2 stained by SOX2 antibody (GTX636505) diluted at 1:100.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

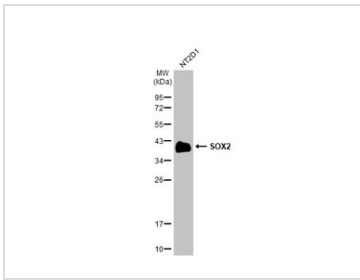


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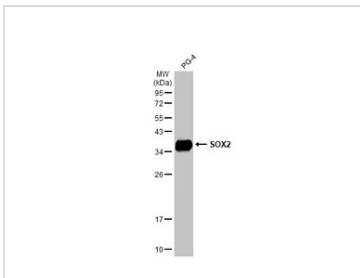
GTX636505 ICC/IF Image

SOX2 antibody [HL1193] detects SOX2 protein at nucleus by immunofluorescent analysis.
 Sample: DIV10 rat E8 primary hippocampal neuron cells were fixed in 4% paraformaldehyde at RT for 15 min.
 Green: SOX2 stained by SOX2 antibody [HL1193] (GTX636505) diluted at 1:500.
 Red: Tau, an axon marker, stained by Tau antibody [GT287] (GTX634809) diluted at 1:500.



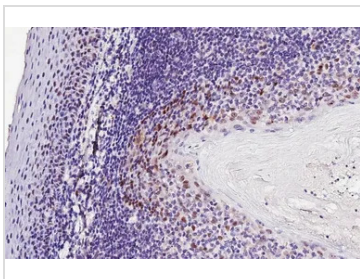
GTX636505 WB Image

Whole cell extract (30 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with SOX2 antibody [HL1193] (GTX636505) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



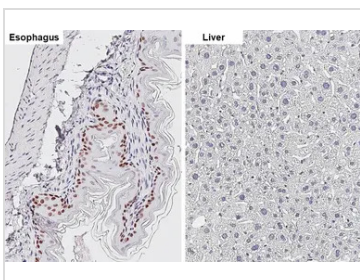
GTX636505 WB Image

Whole cell extract (30 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with SOX2 antibody [HL1193] (GTX636505) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX636505 IHC-P Image

SOX2 antibody [HL1193] detects SOX2 protein by immunohistochemical analysis.
 Sample: Paraffin-embedded human tonsil.
 SOX2 stained by SOX2 antibody [HL1193] (GTX636505) diluted at 1:100.
 Antigen Retrieval: Tris-EDTA buffer, pH 9.0, 15 min

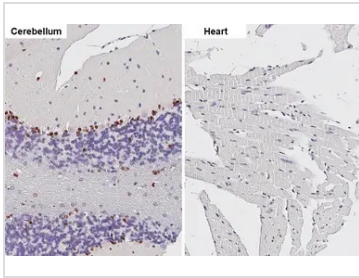


GTX636505 IHC-P Image

SOX2 antibody [HL1193] detects SOX2 protein by immunohistochemical analysis.
 Sample: Paraffin-embedded mouse tissues.
 SOX2 stained by SOX2 antibody [HL1193] (GTX636505) diluted at 1:2000.
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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**GTX636505 IHC-P Image**

SOX2 antibody [HL1193] detects SOX2 protein by immunohistochemical analysis.

Sample: Paraffin-embedded mouse tissues.

SOX2 stained by SOX2 antibody [HL1193] (GTX636505) diluted at 1:2000.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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