

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

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



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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 (4)

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

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Note

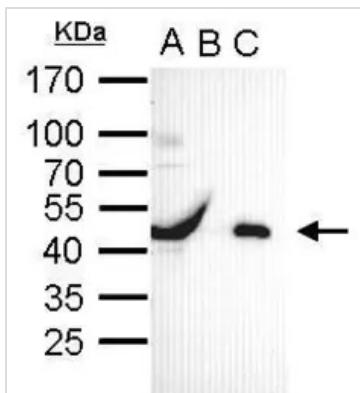
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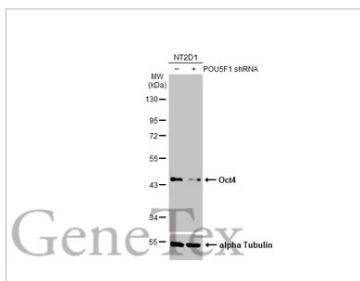
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DATA IMAGES



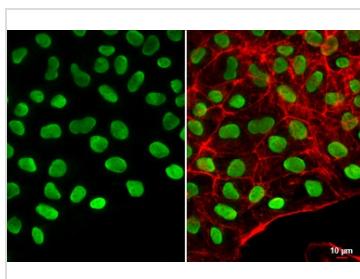
GTX100622 IP Image

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.



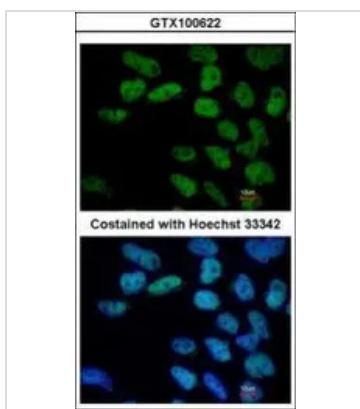
GTX100622 WB Image

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.



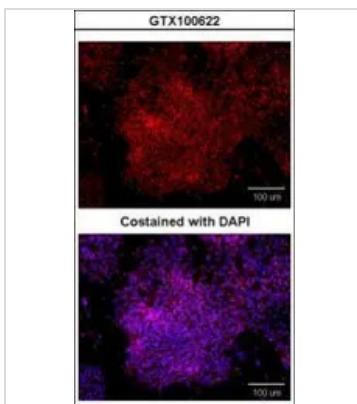
GTX100622 ICC/IF Image

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



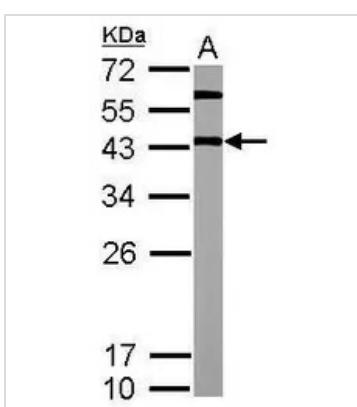
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GTX100622 ICC/IF Image

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



GTX100622 WB Image

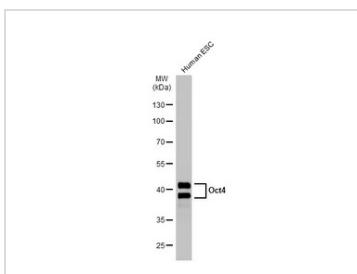
Sample (20 μg of whole cell lysate)

A: mouse ESC

12% SDS PAGE

GTX100622 diluted at 1:5000

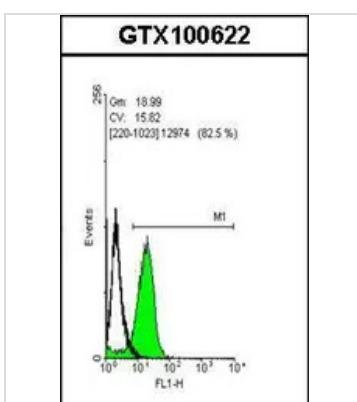
The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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



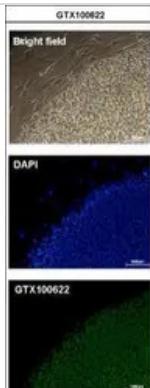
GTX100622 FCM Image

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

Properties

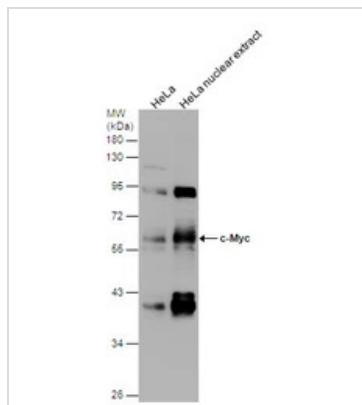
Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	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
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.	
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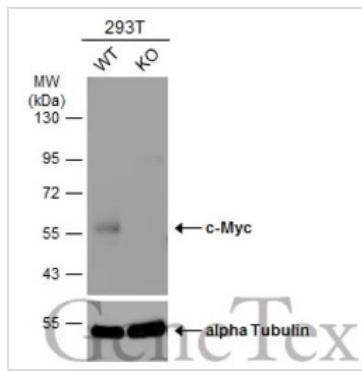
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DATA IMAGES



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 µg) 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 µg) 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 (624)

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

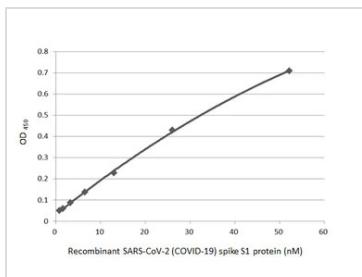
Form	Liquid
Buffer	0.05M Tris, 0.15M NaCl
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
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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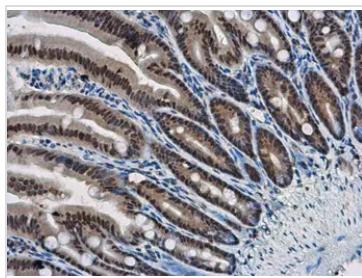
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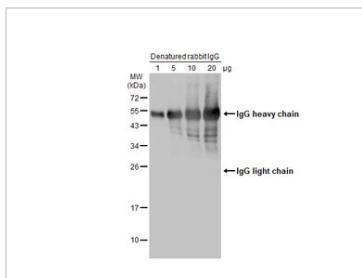
DATA IMAGES

**GTX213110-01 ELISA Image**

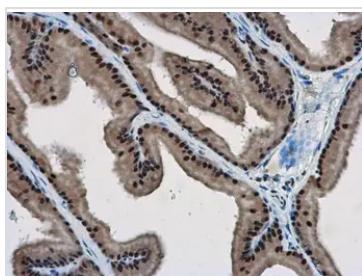
Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike S1 protein, His tag (active) (GTX135817-pro) (52.15-0.81 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL134] (GTX635671) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01)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

**GTX213110-01 IHC-P Image**

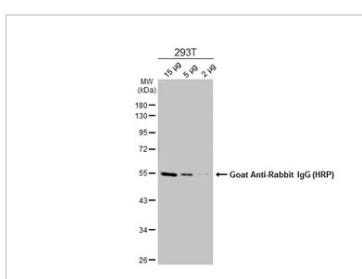
WBP11 antibody detects WBP11 protein at nucleus in mouse intestine by immunohistochemical analysis. Sample: Paraffin-embedded mouse intestine. WBP11 antibody (GTX118654) diluted at 1:500. The signal was developed by Rabbit IgG antibody (HRP) (GTX213110-01) Antigen Retrieval: Citrate buffer, pH 6.0, 15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

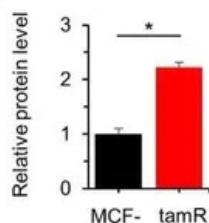
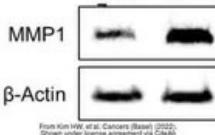
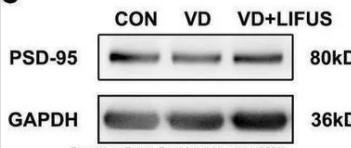
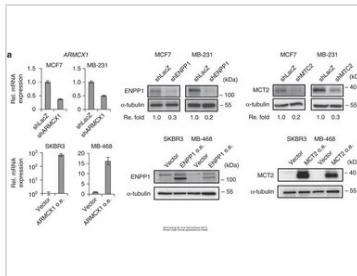
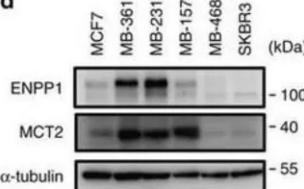
**GTX213110-01 WB Image**

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.

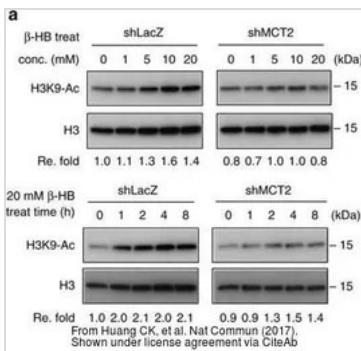


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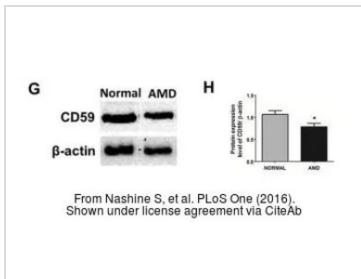
D**GTX213110-01 WB Image**The data was published in the 2022 in Cancers (Basel). [PMID: 35267540](#)From Kim HW, et al. Cancers (Basel) (2022).
Shown under license agreement via CiteAb.**C**From Wang F, et al. Front Aging Neurosci (2022).
Shown under license agreement via CiteAb.**GTX213110-01 WB Image**The 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](#)**d**From Huang CK, et al. Nat Commun (2017).
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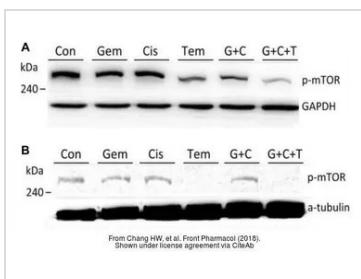
GTX213110-01 WB Image

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



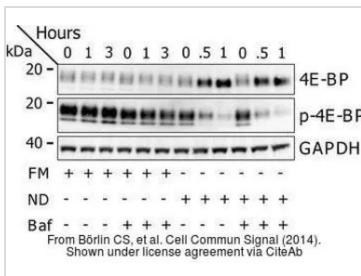
GTX213110-01 WB Image

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



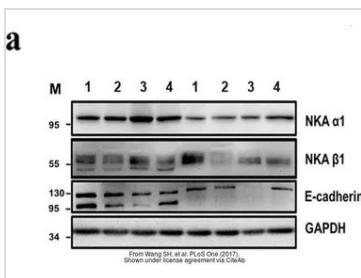
GTX213110-01 WB Image

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](#)

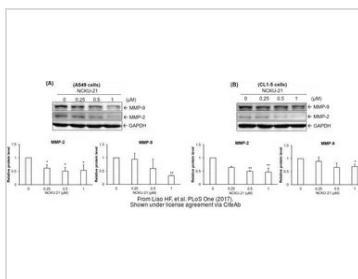


GTX213110-01 WB Image

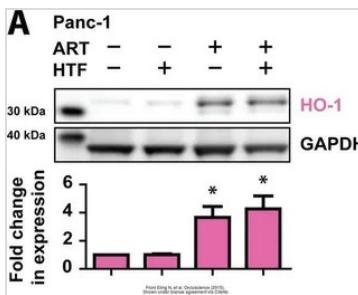
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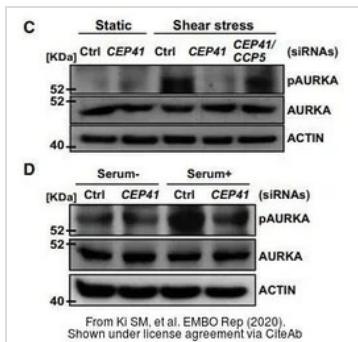
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**GTX213110-01 WB Image**

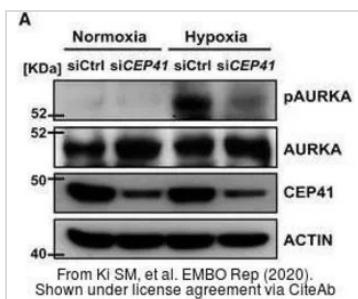
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**GTX213110-01 WB Image**

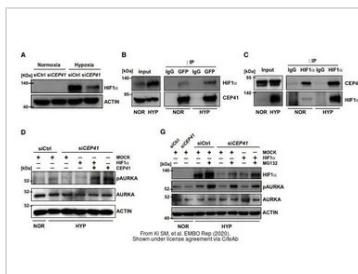
The data was published in the journal Oncoscience in 2015. [PMID: 26097885](#)

**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



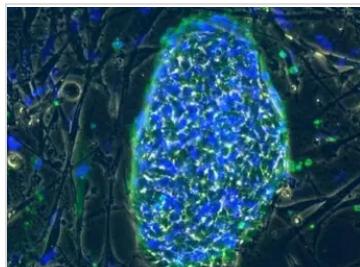
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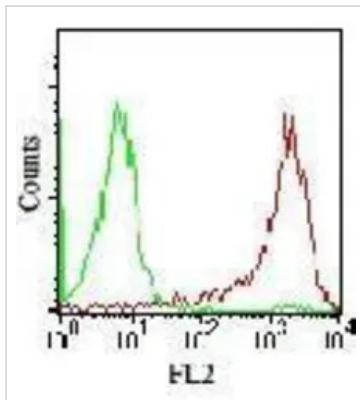
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DATA IMAGES**GTX48037 ICC/IF Image**

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



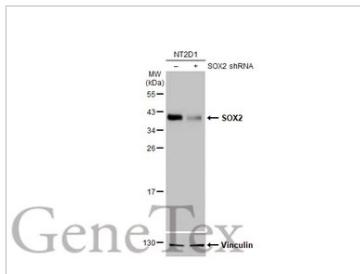
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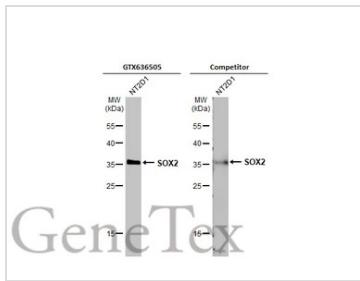
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Note

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.

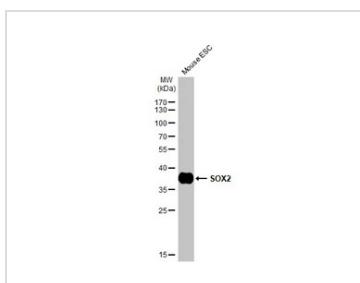
DATA IMAGES**GTX636505 WB Image**

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.

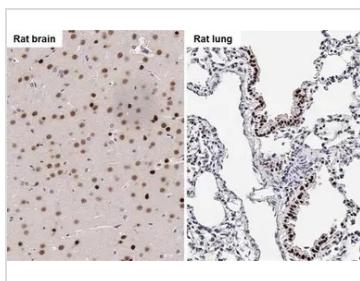
**GTX636505 WB Image**

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.

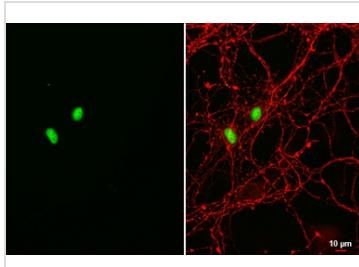
SOX2 stained by SOX2 antibody (GTX636505) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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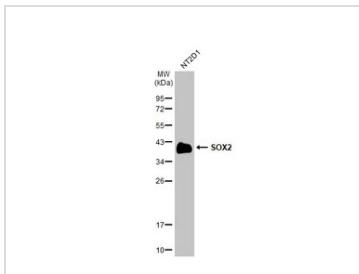
GTX636505 ICC/IF Image

SOX2 antibody [HL1193] detects SOX2 protein at nucleus by immunofluorescent analysis.

Sample: DIV10 rat E18 primary hippocampal neuron cells were fixed in 4% paraformaldehyde at RT for 15 min.

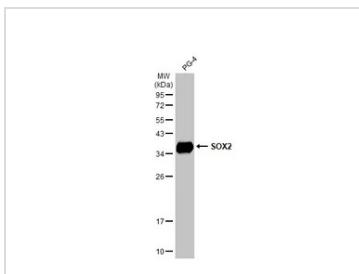
Green: SOX2 stained by SOX2 antibody [HL1193] (GTX636505) diluted at 1:500.

Red: Tau, an axon marker, stained by Tau antibody [GT287] (GTX634809) diluted at 1:500.



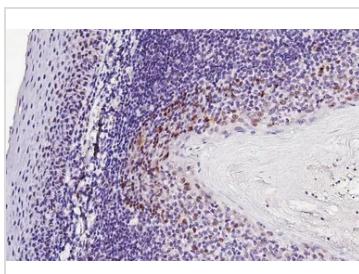
GTX636505 WB Image

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.



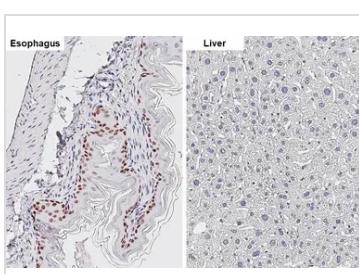
GTX636505 IHC-P Image

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.

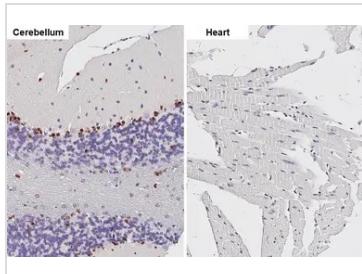
SOX2 stained by SOX2 antibody [HL1193] (GTX636505) diluted at 1:2000.

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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