

## Oct4 antibody

**Cat. No. GTX100622**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, FCM, IP
<b>Reactivity</b>	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

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	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.
<b>Concentration</b>	0.32 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Oct4. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated

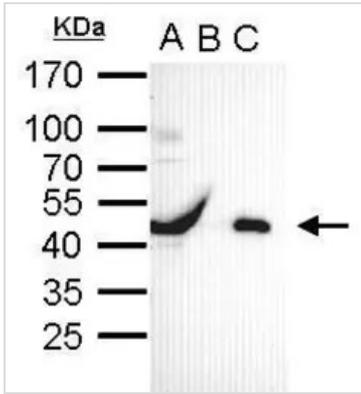
**Note**

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

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.

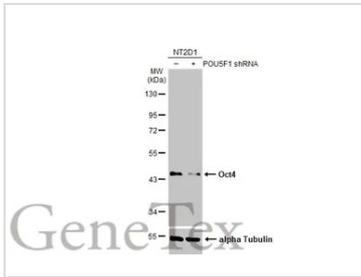
For full product information, images and publications, please visit our [website](#).

DATA IMAGES



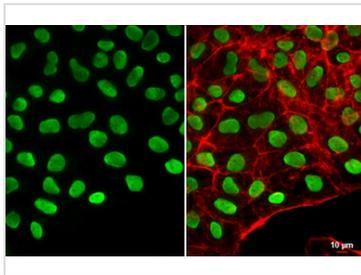
**GTx100622 IP Image**

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.



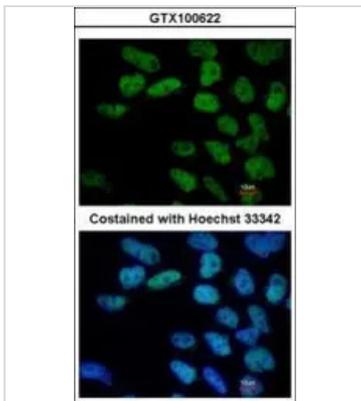
**GTx100622 WB Image**

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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