Oct4 antibody

Cat. No. GTX101497

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IHC-Fr, FCM, IP
Reactivity	Human, Mouse, Rat

References (49)
Package
100 µl, 25 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:5000-1:100000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	Assay dependent
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, 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	1.37 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

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

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Note

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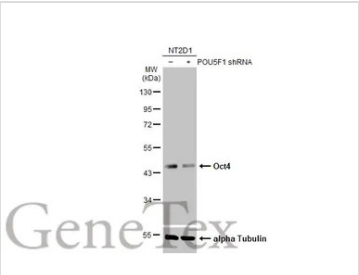
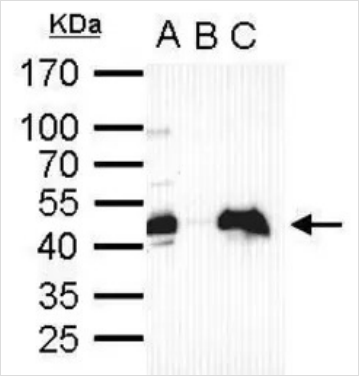
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



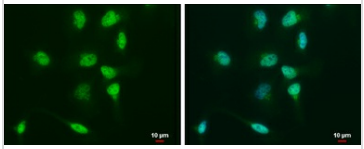
GTX101497 WB Image

Non-transfected (–) and transfected (+) NT2D1 whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Oct4 antibody (GTX101497) diluted at 1:200000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX101497 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 (GTX101497) 12% SDS-PAGE The immunoprecipitated Oct4 protein was detected by Oct4 antibody (GTX101497) diluted at 1:1000. EasyBlot anti-rabbit IgG (GTX221666-01) was used as a secondary reagent.



GTX101497 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 protein stained by Oct4 antibody (GTX101497) diluted at 1:500.
Blue: Hoechst 33342 staining.
Scale bar = 10 µm.

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