Oct4 antibody [GT486]

Cat. No. GTX627419

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Applications	WB, ICC/IF, IHC-P, FCM, IP
Reactivity	Human, Mouse

References (20)

Review (4)

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
FCM	1:50-1:200
IP	1:1000-1:1000

Not tested in other applications.

Observed MW (kDa) 45 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 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 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. From tissue culture supernatant
Conjugation	Unconjugated

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1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

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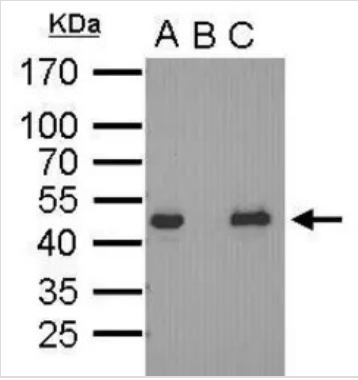
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Note

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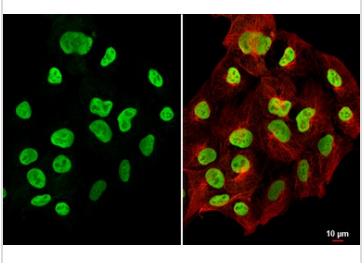
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DATA IMAGES



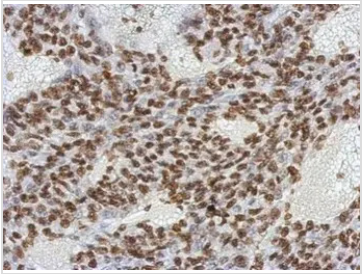
GTX627419 IP Image

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 mouse IgG C. Immunoprecipitation of Oct4 by 2 µg of Oct4 antibody (GTX627419) 12% SDS-PAGE The immunoprecipitated Oct4 protein was detected by Oct4 antibody (GTX627419) diluted at 1:1000. EasyBlot anti-mouse IgG (GTX221667-01) was used as a secondary reagent.



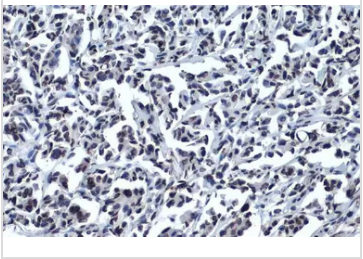
GTX627419 ICC/IF Image

Oct4 antibody [GT486] 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 [GT486] (GTX627419) diluted at 1:500.
Red: beta Tubulin, a cytoskeleton marker, stained by beta Tubulin antibody (GTX101279) diluted at 1:1000.



GTX627419 IHC-P Image

Immunohistochemical analysis of paraffin-embedded BT483 xenograft, using OCT3/4(GTX627419) antibody at 1:200 dilution.
Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



GTX627419 IHC-P Image

Oct4 antibody [GT486] detects Oct4 protein at nucleus by immunohistochemical analysis.
Sample: Paraffin-embedded human breast carcinoma.
Oct4 stained by Oct4 antibody [GT486] (GTX627419) diluted at 1:500.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

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