

Oct4 antibody [GT486]

Cat. No. GTX627419

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

Reference (16)

★★★★☆ Review (2)

Package

100 µl, 25 µl

APPLICATION

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
FACS	1:50-1:200
IP	1:1000-1:1000

Not tested in other applications.

Calculated MW 39 kDa. ([Note](#))

PROPERTIES

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	No Preservative
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	1.66 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

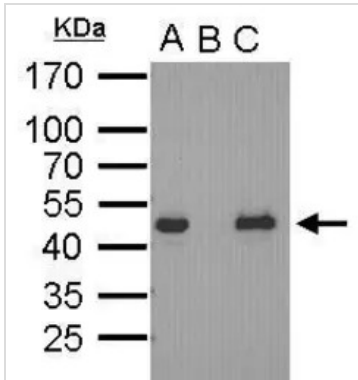


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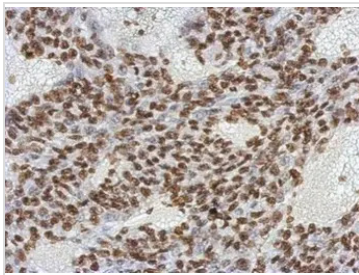
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Note

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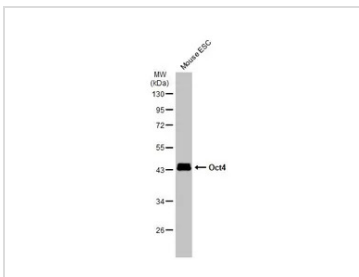
DATA IMAGES

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.

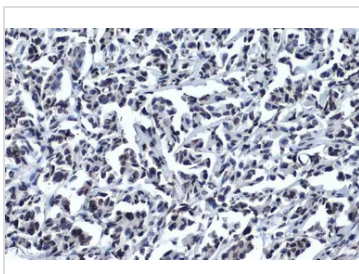

GTx627419 IHC-P Image

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 WB Image

Mouse embryonic stem cell extract (50 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with Oct4 antibody [GT486] (GTx627419) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.


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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