

Product Datasheet

Oct-3/4 Antibody (SD0750)

NBP2-67748

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-67748

Oct-3/4 Antibody (SD0750)

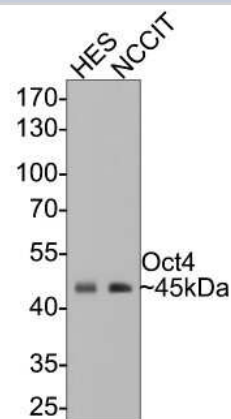
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SD0750
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene Symbol	POU5F1
Species	Human, Mouse
Immunogen	Synthetic peptide within human Oct-3/4 aa 20-60. (SwissProt: Q01860 Human; SwissProt: P20263 Mouse)

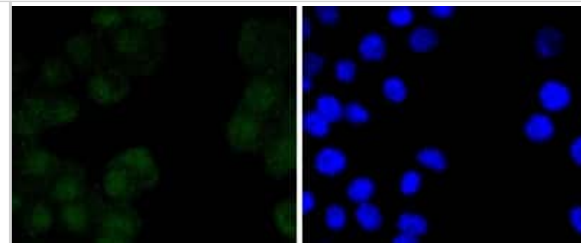
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:2000, Chromatin Immunoprecipitation, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:4000

Images

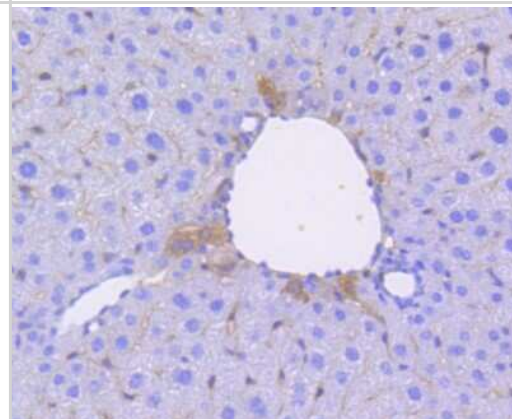
Western Blot: Oct-3/4 Antibody (SD0750) [NBP2-67748] - Analysis of Oct-3/4 on F9 cell lysates with Rabbit anti-Oct-3/4 antibody at 1/1,000 dilution. Lysates/proteins at 10 ug/Lane. Predicted band size: 39 kDa Observed band size: 45 kDa Exposure time: 2 minutes; 12% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody at 1/1,000 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



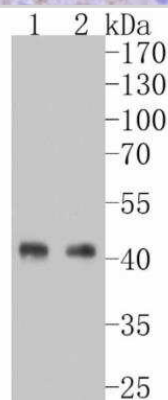
Immunocytochemistry/Immunofluorescence: Oct-3/4 Antibody (SD0750) [NBP2-67748] - Staining Oct4 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



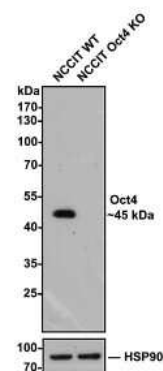
Immunohistochemistry-Paraffin: Oct-3/4 Antibody (SD0750) [NBP2-67748] - Analysis of paraffin-embedded mouse liver tissue using anti-Oct4 antibody. Counter stained with hematoxylin.



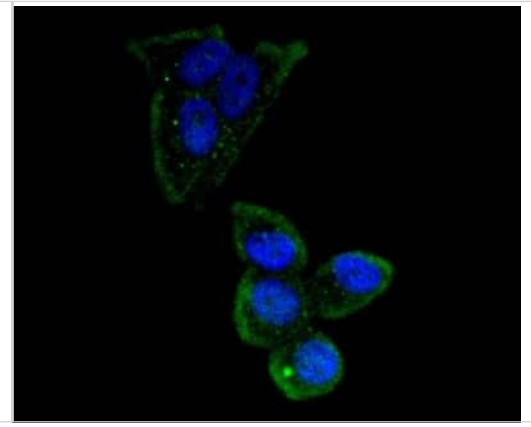
Western Blot: Oct-3/4 Antibody (SD0750) [NBP2-67748] - Analysis of Oct4 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: F9 cell lysate Lane 2: HES cell lysate



Western Blot: Oct-3/4 Antibody (SD0750) [NBP2-67748] - Analysis of Oct-3/4 on different lysates with Rabbit anti-Oct-3/4 antibody at 1/500 dilution. Lane 1: HES cell lysate Lane 2: NCCIT cell lysate Lysates/proteins at 10 ug/Lane. Predicted band size: 39 kDa Observed band size: 45 kDa Exposure time: 1 minute; 10% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/500 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



Immunocytochemistry/Immunofluorescence: Oct-3/4 Antibody (SD0750) [NBP2-67748] - Staining Oct4 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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