

Product Datasheet

OCT4 Antibody (A3-C11-R)

NBP3-31983

Unit Size: 100 ul

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

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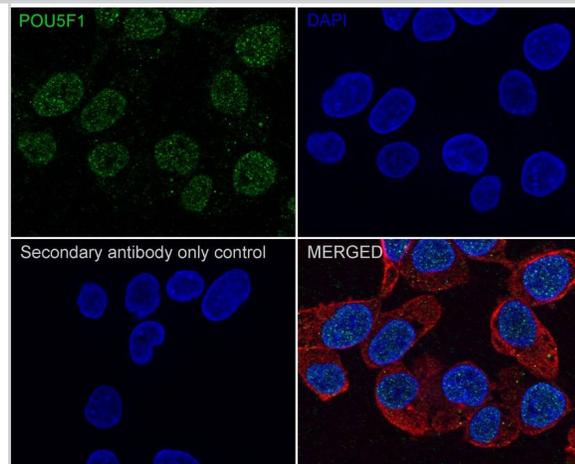
NBP3-31983**OCT4 Antibody (A3-C11-R)**

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	A3-C11-R
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	39 kDa
Product Description	
Description	Novus Biologicals Mouse OCT4 Antibody (A3-C11-R) (NBP3-31983) is a recombinant monoclonal antibody validated for use in WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	5460
Gene Symbol	POU5F1
Species	Human
Immunogen	Recombinant protein within full length human OCT4 protein. (Uniprot: Q01860)
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:100

Images

Immunocytochemistry/ Immunofluorescence: OCT4 Antibody (A3-C11-R) [NBP3-31983] - Immunocytochemistry analysis of NCCIT cells labeling OCT4 with Mouse anti-OCT4 antibody (NBP3-31983) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-OCT4 antibody (NBP3-31983) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



beta Tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.

Western Blot: OCT4 Antibody (A3-C11-R) [NBP3-31983] - Western blot analysis of OCT4 on NCCIT cell lysates with Mouse anti-OCT4 antibody (NBP3-31983) at 1/1,000 dilution.

Lysates/proteins at 20 ug/Lane.

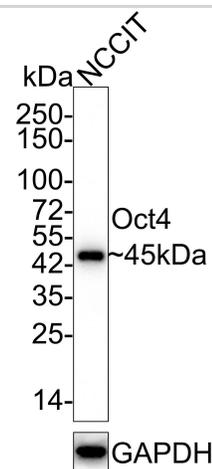
Predicted band size: 39 kDa

Observed band size: 45 kDa

Exposure time: 1 minute 59 seconds;

4-20% 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 (NBP3-31983) at 1/1,000 dilution was used in 5% NFDM/TBST at 4 °C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.





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Products Related to NBP3-31983

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB100-2379PEP	OCT4 Antibody Blocking Peptide

Limitations

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