

Product Datasheet

SOX2 Antibody (PO00-28) NBP3-32972

Unit Size: 100 μ l

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

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NBP3-32972

SOX2 Antibody (PO00-28)

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	PO00-28
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	34 kDa

Product Description

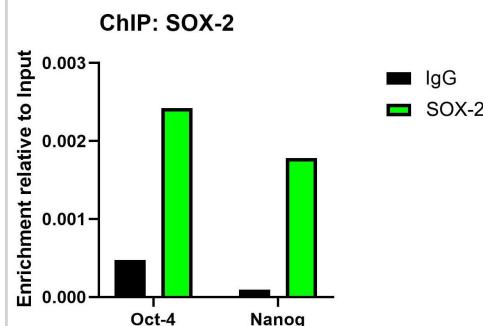
Host	Rabbit
Gene ID	6657
Gene Symbol	SOX2
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within human SOX2 aa 1-317. (Uniprot: P48431)

Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Chromatin Immunoprecipitation Use 0.5-2 ug for 25 ug of chromatin, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:250, Immunohistochemistry-Paraffin 1:1000-1:4000

Images

Chromatin Immunoprecipitation: SOX2 Antibody (PO00-28) [NBP3-32972] - Chromatin immunoprecipitations were performed with cross-linked chromatin from NCCIT cells and either SOX2 (NBP3-32972) or Normal Rabbit IgG according to the ChIP protocol. The enriched DNA was quantified by real-time PCR using indicated primers. The amount of immunoprecipitated DNA in each sample is represented as signal relative to the total amount of input chromatin, which is equivalent to one.



Western Blot: SOX2 Antibody (PO00-28) [NBP3-32972] - Western blot analysis of SOX2 on different lysates with Rabbit anti-SOX2 antibody (NBP3-32972) at 1/2,000 dilution.

Lane 1: NCCIT cell lysate

Lane 2: F9 cell lysate

Lane 3: HeLa cell lysate (negative)

Predicted band size: 34 kDa

Observed band size: 34 kDa

Exposure time: 15 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 (NBP3-32972) at 1/2,000 dilution was used in 5% NFDM/TBST at 4C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

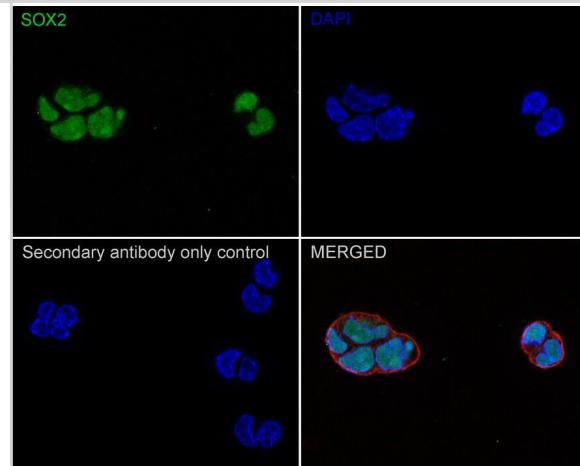
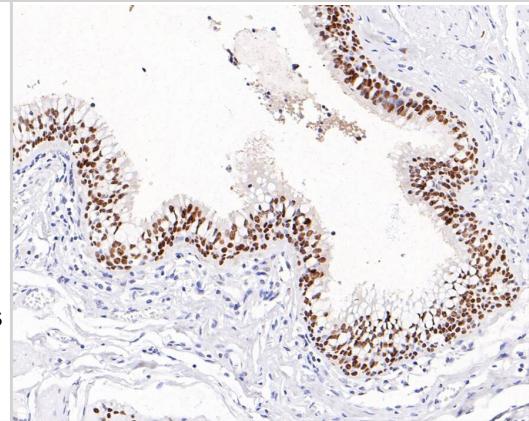
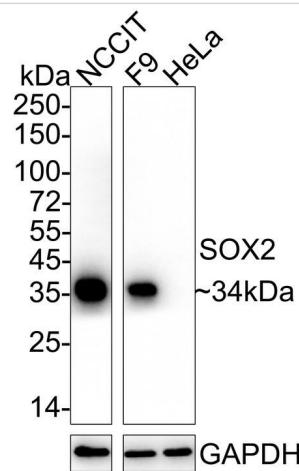
Immunohistochemistry: SOX2 Antibody (PO00-28) [NBP3-32972] - Immunohistochemical analysis of paraffin-embedded human trachea tissue with Rabbit anti-SOX2 antibody (NBP3-32972) at 1/1,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32972) at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

Immunocytochemistry/ Immunofluorescence: SOX2 Antibody (PO00-28) [NBP3-32972] - Immunocytochemistry analysis of F9 cells labeling SOX2 with Rabbit anti-SOX2 antibody (NBP3-32972) at 1/250 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 Rabbit anti-SOX2 antibody (NBP3-32972) at 1/250 dilution in 1% BSA in PBST overnight at 4°C. Goat Anti-Rabbit 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-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.





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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-35268-5ug	Recombinant Human SOX2 TAT Protein

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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