

Product Datasheet

SOX9 Antibody (CL0639) - BSA Free NBP2-52943

Unit Size: 0.1 ml

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

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NBP2-52943

SOX9 Antibody (CL0639) - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL0639
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

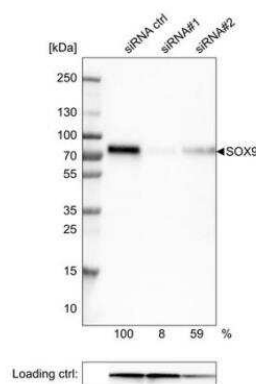
Host	Mouse
Gene ID	6662
Gene Symbol	SOX9
Species	Human, Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions
Immunogen	This antibody was developed using a recombinant protein derived from P48436, with the exact immunogen sequence remaining proprietary.

Product Application Details

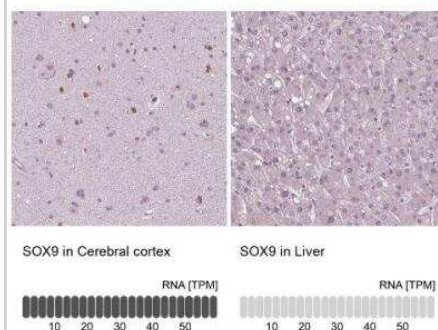
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

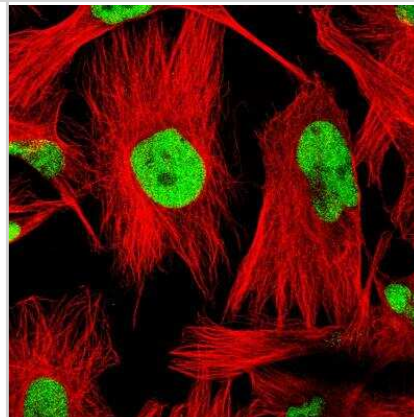
Western Blot: SOX9 Antibody (CL0639) [NBP2-52943] - 251 Cells transfected with: control siRNA, target specific siRNA probe #1, target specific siRNA probe #2, using Anti-SOX9 monoclonal antibody. Downregulation of antibody signal confirms target specificity. Remaining % intensity, relative control lane, is indicated. Anti-GAPDH monoclonal antibody was used as loading control.



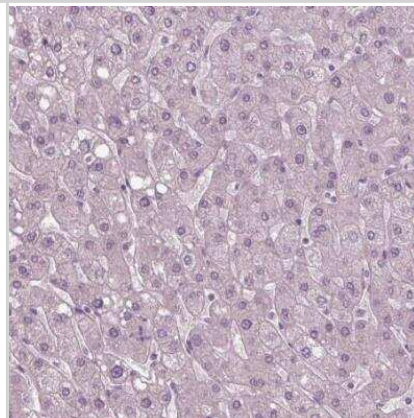
Immunohistochemistry-Paraffin: SOX9 Antibody (CL0639) [NBP2-52943]
 - Analysis in human cerebral cortex and liver tissues using NBP2-52943 antibody. Corresponding SOX9 RNA-seq data are presented for the same tissues.



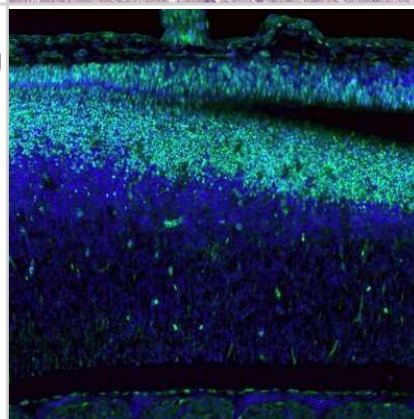
Immunocytochemistry/Immunofluorescence: SOX9 Antibody (CL0639) [NBP2-52943] - Staining of U-251 cells using the anti-SOX9 monoclonal antibody, showing specific staining in the nucleoplasm in green. Microtubule- and nuclear probes are visualized in red and blue, respectively (where available). Antibody staining is shown in green.



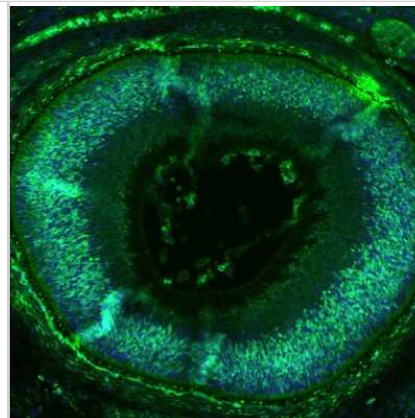
Immunohistochemistry-Paraffin: SOX9 Antibody (CL0639) [NBP2-52943]
 - Staining of human liver shows no nuclear positivity in hepatocytes as expected.



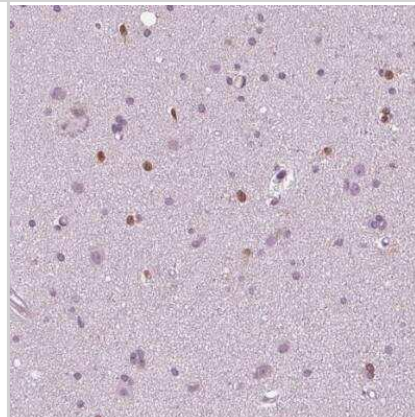
Immunohistochemistry: SOX9 Antibody (CL0639) [NBP2-52943] - Staining of mouse embryo E11 shows nuclear positivity in the developing neural tube.



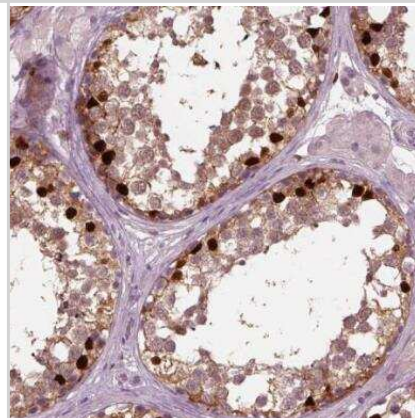
Immunohistochemistry: SOX9 Antibody (CL0639) [NBP2-52943] - Staining of mouse embryo E14 shows nuclear immunoreactivity in the developing eye.



Immunohistochemistry-Paraffin: SOX9 Antibody (CL0639) [NBP2-52943] - Staining of human cerebral cortex shows moderate to strong nuclear positivity in a subset of glial cells.



Immunohistochemistry-Paraffin: SOX9 Antibody (CL0639) [NBP2-52943] - Staining of human testis shows strong nuclear positivity in a subset of cells in seminiferous ducts.



Publications

Holokai L, Chakrabarti J, Lundy J et al. Murine- and Human-Derived Autologous Organoid/Immune Cell Co-Cultures as Pre-Clinical Models of Pancreatic Ductal Adenocarcinoma Cancers 2020-12-17 [PMID: 33348809] (ICC/IF, Human)



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Products Related to NBP2-52943

NBP2-52943PEP	SOX9 Recombinant Protein Antigen
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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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