

Product Datasheet

SOX9 Antibody (CL0639) - Azide and BSA Free NBP3-44053

Unit Size: 100 ug

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

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NBP3-44053

SOX9 Antibody (CL0639) - Azide and BSA Free

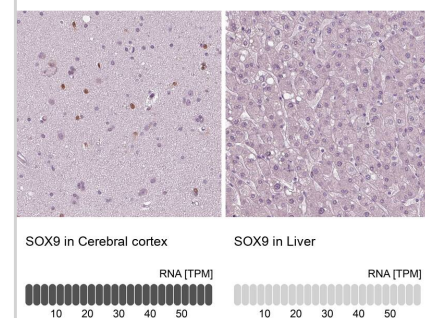
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL0639
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG2a
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

Product Description	
Host	Mouse
Gene ID	6662
Gene Symbol	SOX9
Species	Human, Mouse
Immunogen	This antibody was generated using a recombinant protein sequence of P48436, with the exact immunogen sequence remaining proprietary.

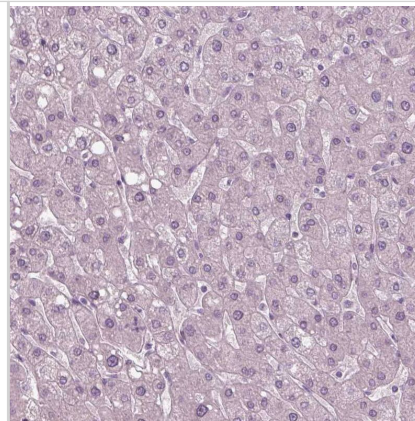
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin,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

Images

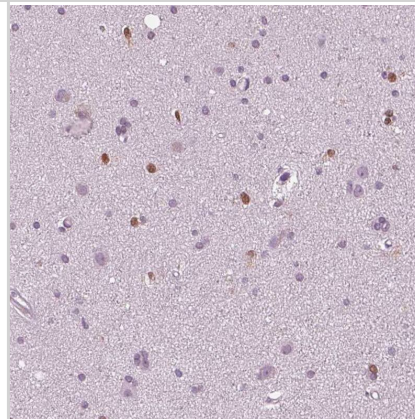
Analysis in human cerebral cortex and liver tissues using NBP3-44053 antibody. Corresponding SOX9 RNA-seq data are presented for the same tissues.



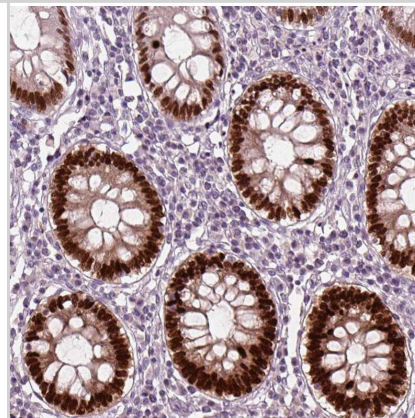
Staining of human liver shows no nuclear positivity in hepatocytes as expected.



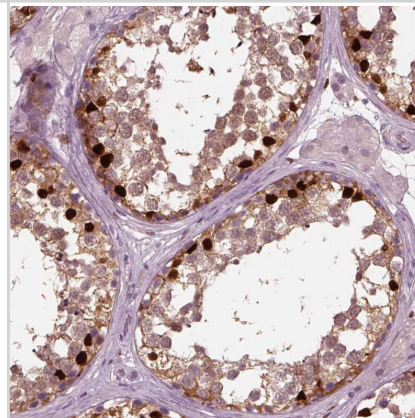
Staining of human cerebral cortex shows moderate to strong nuclear positivity in a subset of glial cells.



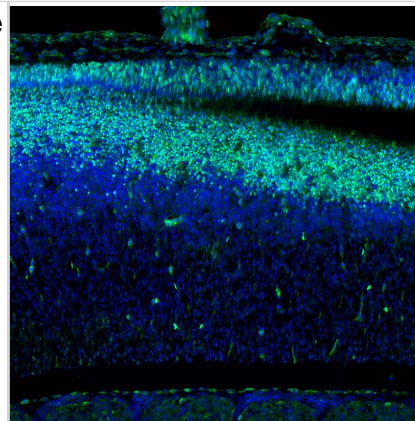
Staining of human colon shows moderate to strong nuclear positivity in glandular cells.



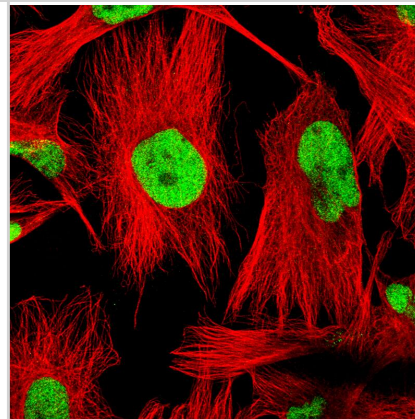
Staining of human testis shows strong nuclear positivity in a subset of cells in seminiferous ducts.



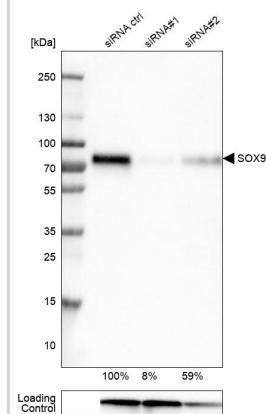
Staining of mouse embryo E11 shows moderate to strong positivity in the developing neural tube.



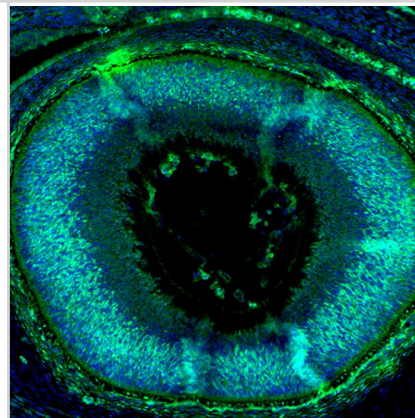
Staining of U-251 cells using the anti-SOX9 monoclonal antibody).



Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-SOX9 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



Staining of mouse embryo E14 shows moderate positivity in the developing eye.





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Products Related to NBP3-44053

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
H00006662-P01-10ug	Recombinant Human SOX9 GST (N-Term) 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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