

# Product Datasheet

## SOX10 Antibody (CL4455) - Azide and BSA Free NBP3-44116

Unit Size: 100 ug

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

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**NBP3-44116**

SOX10 Antibody (CL4455) - 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	CL4455
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	IgG1
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

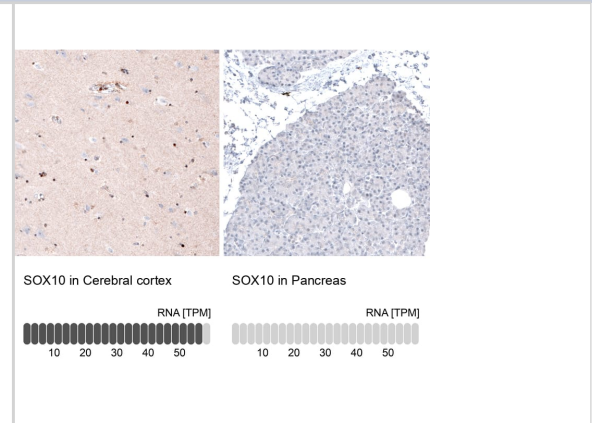
Product Description	
Host	Mouse
Gene ID	6663
Gene Symbol	SOX10
Species	Human, Mouse, Feline
Reactivity Notes	Feline reactivity reported from a verified customer review. Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed 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 generated using a recombinant protein sequence of P56693, with the exact immunogen sequence remaining proprietary.

Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:2500 - 1:5000, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:2500 - 1:5000, Immunohistochemistry-Frozen Validated from a verified customer review.
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/ Immunofluorescence/IF Fixation Permeabilization: Use PFA/Triton X-100.

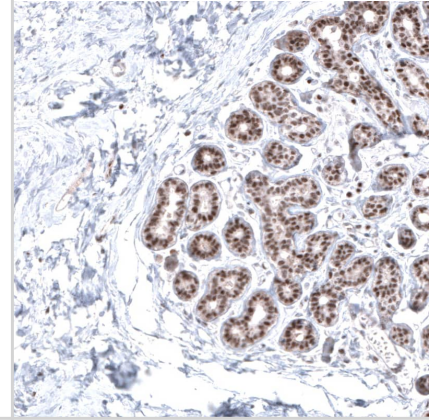


## Images

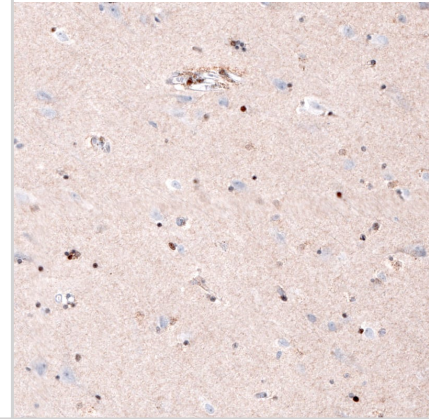
Analysis in human cerebral cortex and pancreas tissues using NBP3-44116 antibody. Corresponding SOX10 RNA-seq data are presented for the same tissues.



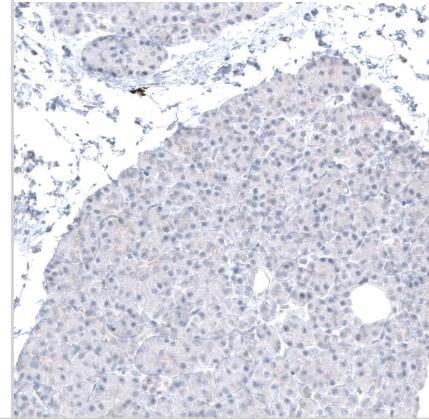
Staining of human breast shows moderate to strong nuclear positivity in glandular cells.



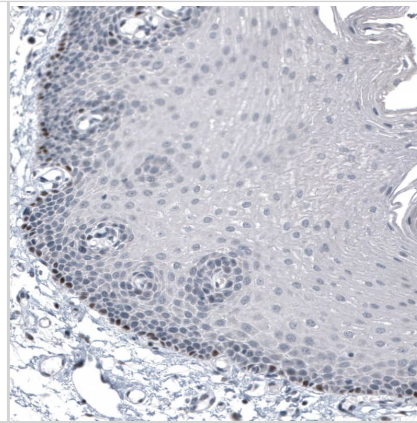
Staining of human cerebral cortex shows strong nuclear positivity in glial cells (oligodendrocytes).



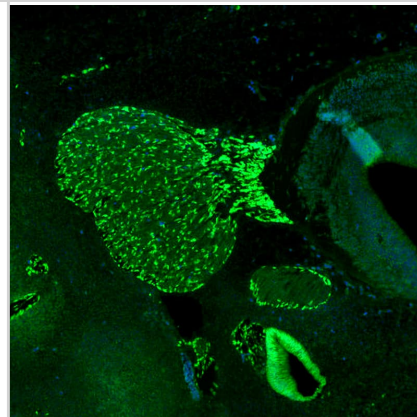
Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



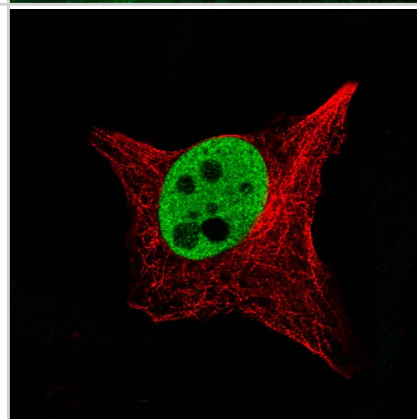
Staining of human squamous epithelium shows strong nuclear positivity in stratum basale cells.



Staining of mouse embryo E11 shows strong positivity in the developing trigeminal ganglion.



Staining of SK-MEL-30 cells using the Anti-SOX10 monoclonal antibody)





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### **Products Related to NBP3-44116**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00006663-Q01-10ug	Recombinant Human SOX10 GST (N-Term) Protein

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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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