

# Product Datasheet

## SOX4 Antibody (CL5634) - BSA Free NBP2-61420

Unit Size: 100 ul

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

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**NBP2-61420**

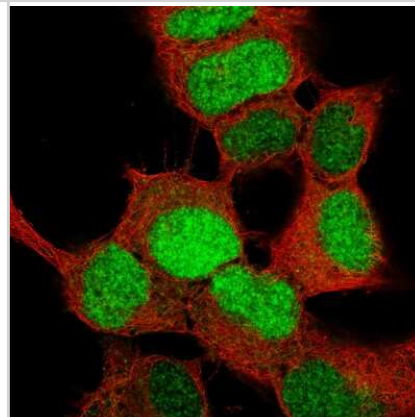
SOX4 Antibody (CL5634) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CL5634
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG2b
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse SOX4 Antibody (CL5634) - BSA Free (NBP2-61420) is a monoclonal antibody validated for use in IHC and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	6659
<b>Gene Symbol</b>	SOX4
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	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.
<b>Immunogen</b>	This antibody was developed using a synthetic peptide derived from Q06945, with the exact immunogen sequence remaining proprietary.
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
<b>Application Notes</b>	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: PFA/Triton X-100.

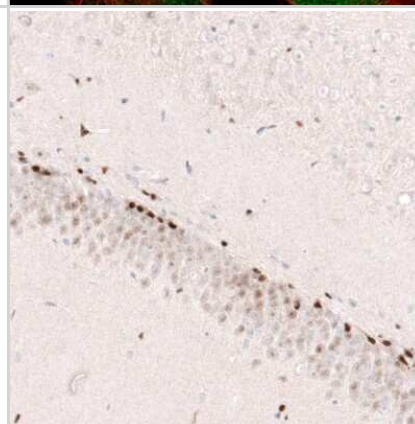


## Images

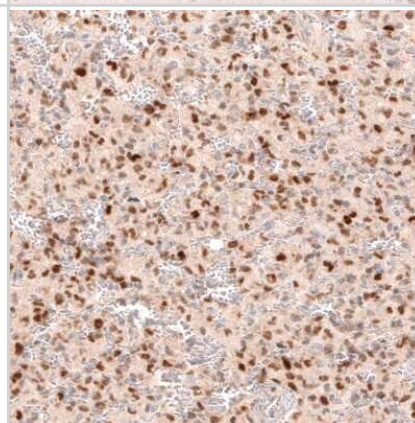
Immunocytochemistry/Immunofluorescence: SOX4 Antibody (CL5634) [NBP2-61420] - Staining of SH-SY5Y cells using the Anti-SOX4 monoclonal antibody, showing specific staining in the nucleoplasm in green. Microtubule and nuclear probes are visualized in red and blue, respectively (where available). Antibody staining is shown in green.



Immunohistochemistry-Paraffin: SOX4 Antibody (CL5634) [NBP2-61420] - Staining of rat hippocampus shows strong nuclear immunoreactivity in a subset of cells in the granule cell layer of the dentate gyrus.



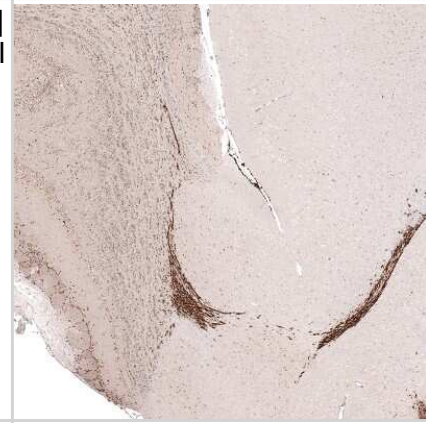
Immunohistochemistry-Paraffin: SOX4 Antibody (CL5634) [NBP2-61420] - Staining of human glioma shows moderate to strong nuclear positivity in tumor cells.



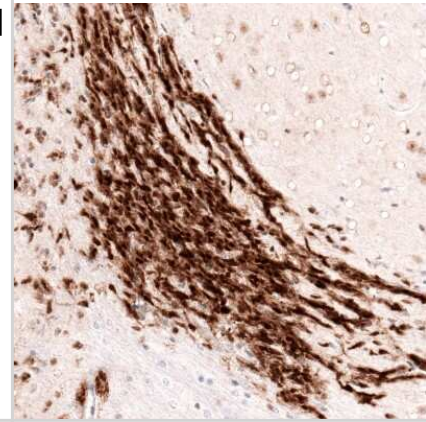
Immunohistochemistry-Paraffin: SOX4 Antibody (CL5634) [NBP2-61420] - Staining of human liver shows absence of nuclear positivity in hepatocytes as expected (negative control).



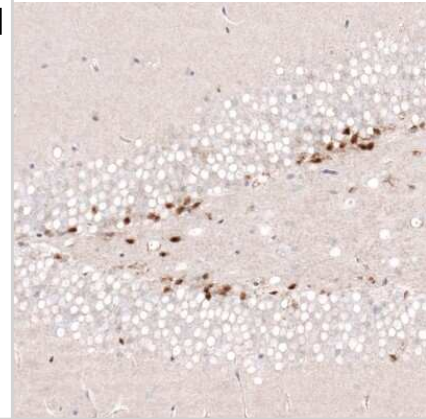
Immunohistochemistry-Paraffin: SOX4 Antibody (CL5634) [NBP2-61420]  
- Staining of mouse forebrain shows strong positivity in cells in the rostral migratory stream, as well as in a subset of neurons in the olfactory bulb.



Immunohistochemistry-Paraffin: SOX4 Antibody (CL5634) [NBP2-61420]  
- Staining of mouse forebrain shows strong immunoreactivity in cells in the rostral migratory stream.



Immunohistochemistry-Paraffin: SOX4 Antibody (CL5634) [NBP2-61420]  
- Staining of mouse hippocampus shows strong immunoreactivity in a subset of neurons in the granule cell layer of the dentate gyrus.





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### **Products Related to NBP2-61420**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
H00006659-Q01-10ug	Recombinant Human SOX4 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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