

# Product Datasheet

## SOX4 Antibody (CL5665) - BSA Free NBP2-61421

Unit Size: 100 ul

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

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**NBP2-61421**

SOX4 Antibody (CL5665) - 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>	CL5665
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<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 (CL5665) - BSA Free (NBP2-61421) 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>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: PFA/Triton X-100

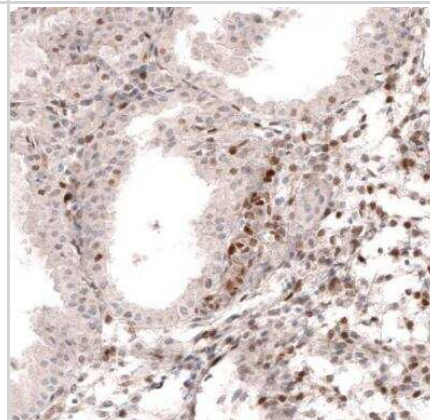


**Images**

Immunocytochemistry/Immunofluorescence: SOX4 Antibody (CL5665) [NBP2-61421] - 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).



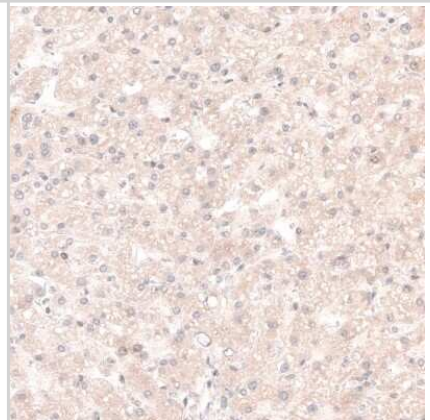
Immunohistochemistry-Paraffin: SOX4 Antibody (CL5665) [NBP2-61421] - Staining of human endometrium shows moderate to strong nuclear positivity in stromal cells.



Immunohistochemistry-Paraffin: SOX4 Antibody (CL5665) [NBP2-61421] - Staining of human glioma shows moderate to strong nuclear positivity in tumor cells.



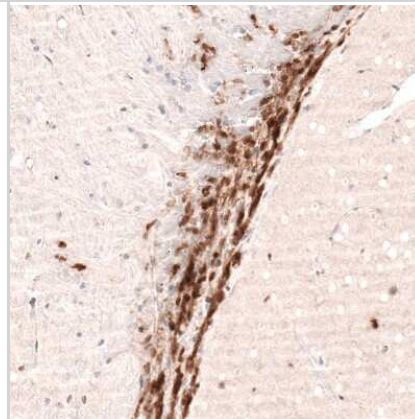
Immunohistochemistry-Paraffin: SOX4 Antibody (CL5665) [NBP2-61421] - Staining of human liver shows absence of nuclear positivity in hepatocytes as expected (negative control).



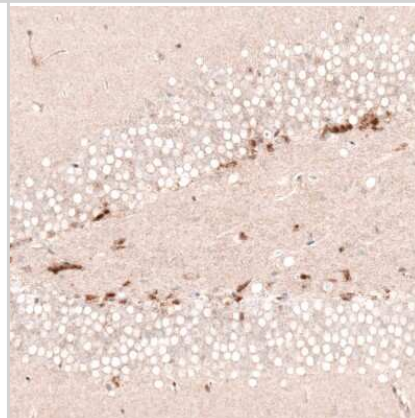
Immunohistochemistry-Paraffin: SOX4 Antibody (CL5665) [NBP2-61421]  
- Staining of mouse forebrain shows strong positivity in cells in the rostral migratory stream, as well as in a subset of neurons in the olfactory bulb.



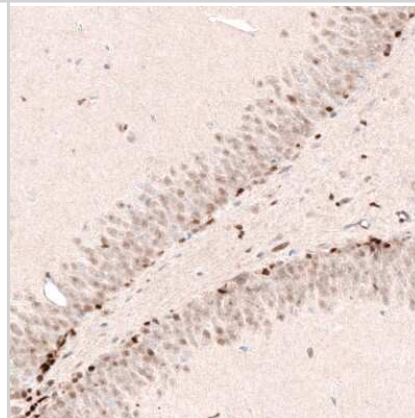
Immunohistochemistry-Paraffin: SOX4 Antibody (CL5665) [NBP2-61421]  
- Staining of mouse forebrain shows strong immunoreactivity in cells in the rostral migratory stream.



Immunohistochemistry-Paraffin: SOX4 Antibody (CL5665) [NBP2-61421]  
- Staining of mouse hippocampus shows strong immunoreactivity in a subset of neurons in the granule cell layer of the dentate gyrus.



Immunohistochemistry-Paraffin: SOX4 Antibody (CL5665) [NBP2-61421]  
- Staining of rat hippocampus shows strong nuclear immunoreactivity in a subset of cells in the granule cell layer of the dentate gyrus.





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### **Products Related to NBP2-61421**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
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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