

# Product Datasheet

## SOX2 Antibody (CL4716) - BSA Free NBP2-59057

Unit Size: 100 ul

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

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**NBP2-59057**

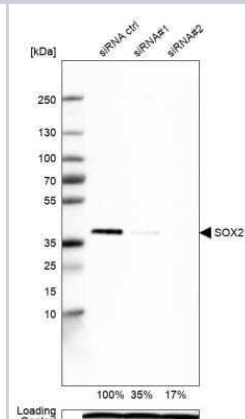
SOX2 Antibody (CL4716) - BSA Free

Product Information	
Unit Size	100 ul
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	CL4716
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Mouse SOX2 Antibody (CL4716) - BSA Free (NBP2-59057) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	6657
Gene Symbol	SOX2
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 P48431, with the exact immunogen sequence remaining proprietary.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

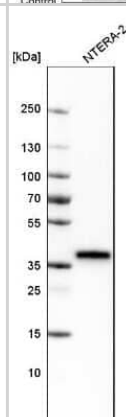


## Images

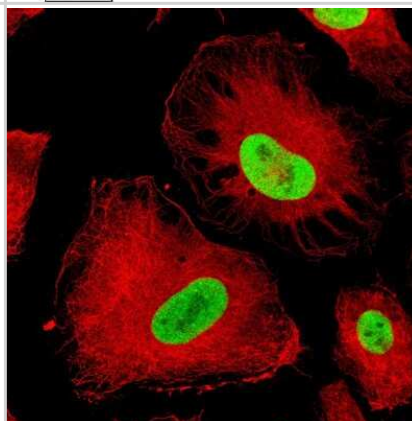
Western Blot: SOX2 Antibody (CL4716) [NBP2-59057] - Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-SOX2 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



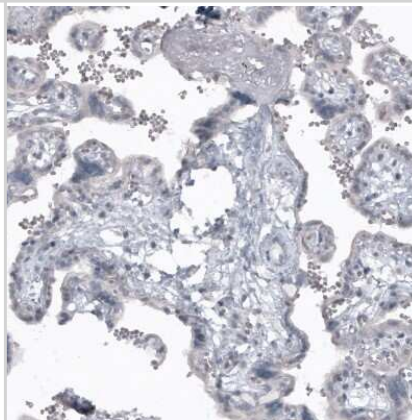
Western Blot: SOX2 Antibody (CL4716) [NBP2-59057] - Analysis in human cell line NTERA-2.



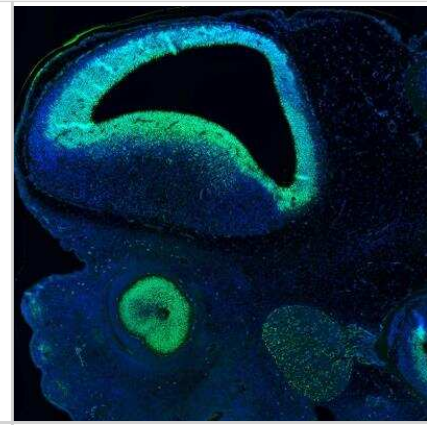
Immunocytochemistry/Immunofluorescence: SOX2 Antibody (CL4716) [NBP2-59057] - Staining of U-251 cells using the anti-SOX2 monoclonal antibody, showing specific staining in the nucleoplasm in green. Microtubule- and nuclear probes are visualized in red and blue, respectively (where available).



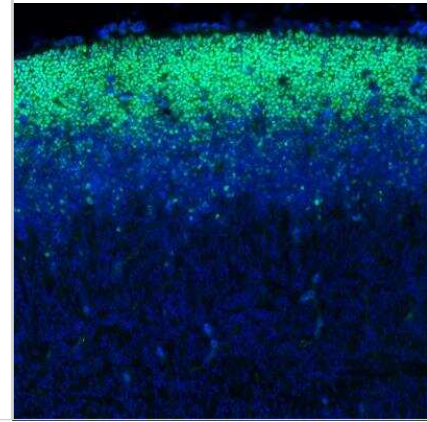
Immunohistochemistry-Paraffin: SOX2 Antibody (CL4716) [NBP2-59057] - Staining of human placenta shows no positivity as expected (negative control).



Immunohistochemistry: SOX2 Antibody (CL4716) [NBP2-59057] - SOX2 Antibody [NBP2-59057] - Staining of mouse embryo E11 shows nuclear immunoreactivity in the developing brain, eye and trigeminal ganglion.



Immunohistochemistry: SOX2 Antibody (CL4716) [NBP2-59057] - SOX2 Antibody [NBP2-59057] - Staining of mouse embryo E11 shows nuclear immunoreactivity in the developing neural tube.





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### **Products Related to NBP2-59057**

NBP2-59057PEP	SOX2 Recombinant Protein Antigen
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)

### **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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