

# Product Datasheet

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

Unit Size: 100  $\mu$ l

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**

<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>	CL4716
<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

**Product Description**

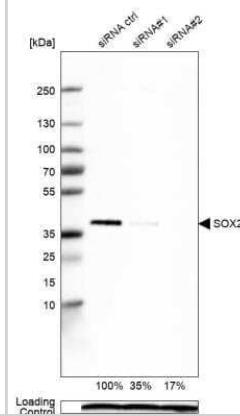
<b>Description</b>	Novus Biologicals Mouse SOX2 Antibody (CL4716) - BSA Free (NBP2-59057) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	6657
<b>Gene Symbol</b>	SOX2
<b>Species</b>	Human, Mouse
<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 recombinant protein derived from P48431, with the exact immunogen sequence remaining proprietary.

**Product Application Details**

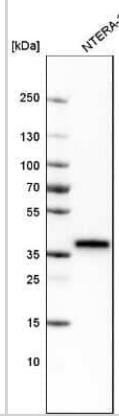
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500, Knockdown Validated
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

## Images

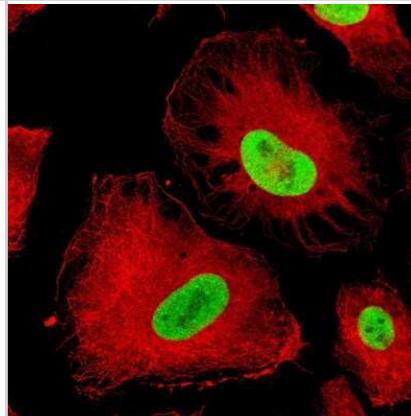
Western Blot: SOX2 Antibody (CL4716) [NBP2-59057] - Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-SOX2 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



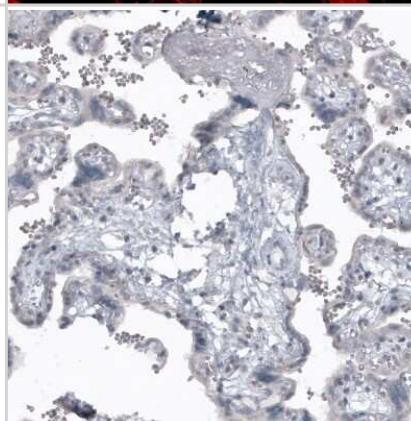
Western Blot: SOX2 Antibody (CL4716) [NBP2-59057] - Analysis in human cell line NTERA-2.



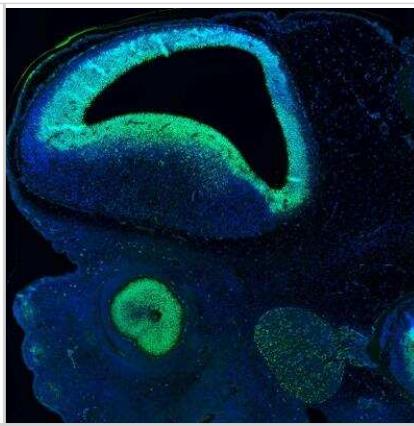
Immunocytochemistry/Immunofluorescence: SOX2 Antibody (CL4716) [NBP2-59057] - Staining of U-251 cells using the anti-SOX2 monoclonal antibody, showing specific staining in the nucleoplasm in green. Microtubule- and nuclear probes are visualized in red and blue, respectively (where available).



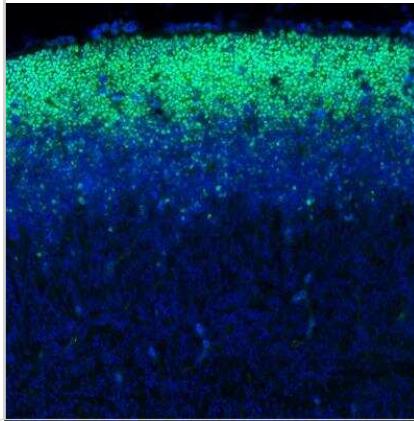
Immunohistochemistry-Paraffin: SOX2 Antibody (CL4716) [NBP2-59057] - Staining of human placenta shows no positivity as expected (negative control).



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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