

# Product Datasheet

## SOX4 Antibody NBP3-18643-100ul

Unit Size: 100 ul

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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**NBP3-18643-100ul**

## SOX4 Antibody

Product Information	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Purity</b>	Whole Antiserum
<b>Buffer</b>	Whole antiserum

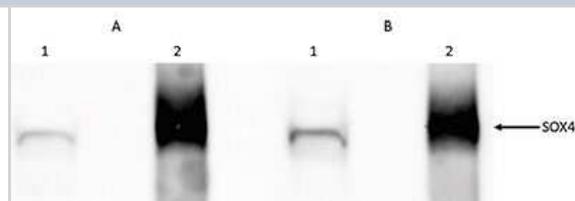
Product Description	
<b>Description</b>	Novus Biologicals Rabbit SOX4 Antibody (NBP3-18643) is a polyclonal antibody validated for use in IHC, WB, ELISA and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	6659
<b>Gene Symbol</b>	SOX4
<b>Species</b>	Human
<b>Immunogen</b>	Polyclonal antibody raised in rabbit against human SOX4 (SRY (sex determining region Y)-box 4), using two KLH-conjugated synthetic peptides containing a sequence from the N-terminus and from the C-terminus of the protein, respectively.

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:4000, ELISA 1:100-1:1000, Immunohistochemistry 1:200 - 1:500, Immunoprecipitation 6 ul/IP, Immunohistochemistry-Paraffin 1:200-1:500

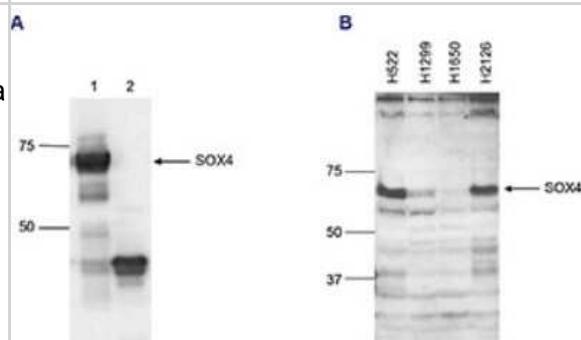


## Images

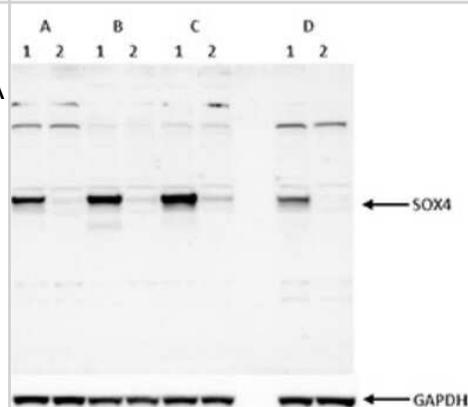
Western Blot: SOX4 Antibody [NBP3-18643] - Figure 4. IP using the antibody directed against SOX4 IP was performed overnight on protein extracts (600 ug) from CT-2A (A) and GL261 (B) cells using 6 ul of the antibody against SOX4 . The immunoprecipitated proteins were subsequently analysed by Western blot with the antibody as described above. Lane 2 shows the result of the IP; the input is shown in lane 1.



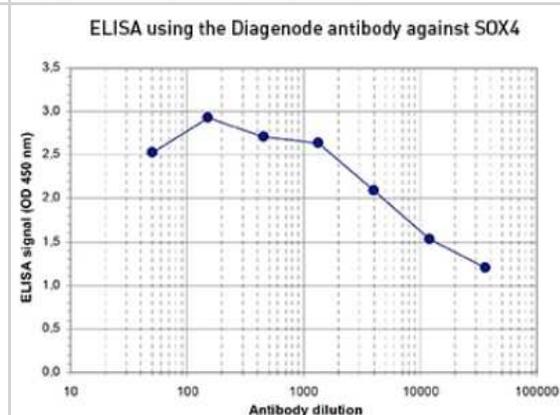
Western Blot: SOX4 Antibody [NBP3-18643] - Figure 2. Western blot analysis using the antibody directed against SOX4 A. H1299 lung carcinoma cells were transfected with HA-tagged SOX4 (lane 1) or with a HA-tagged truncated SOX4 (395X mutant, lane 2). Whole cell extracts (60 - 100 ug) were analysed by Western blot using the antibody against SOX4 diluted 1:4,000 in TBS-Tween containing 2% skimmed milk. The position of the protein of interest is indicated on the right; the marker (in kDa) is shown on the left. B. Whole cell extracts of 4 different lung carcinoma cell lines were analysed by Western blot with the antibody against SOX4 as described above. The H522 cells are known to overexpress SOX4. Western blot performed by Montse Sanchez-Céspedes and Sandra Castillo Díez, Catalan Institute of Oncology, Barcelona, Spain.



Western Blot: SOX4 Antibody [NBP3-18643] - Figure 3. Western blot analysis using the antibody directed against SOX4 Western blot was performed on Protein extracts (~40 ug) from mouse B16-OVA (A), CT-2A (B), GL261 (C) or B16A (D) cells using the antibody against SOX4 . The cells were transfected with a SOX4 specific crRNA (lanes 2) or with a negative control crRNA (lanes 1). The antibody was diluted 1:4,000 in TBS-Tween containing 5% skimmed milk. The position of the protein of interest is indicated on the right. The lower panel shows the WB results with a GAPDH antibody used as loading control. Western blot performed by Anze Godicelj, Dana Farber Cancer Institute, Boston, USA.



ELISA: SOX4 Antibody [NBP3-18643] - Figure 1. Determination of the titer To determine the titer, an ELISA was performed using a serial dilution of the antibody directed against human SOX4 . The plates were coated with the peptides used for immunization of the rabbit. By plotting the absorbance against the antibody dilution (Figure 1), the titer of the antibody was estimated to be 1:18,000.





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### **Products Related to NBP3-18643-100ul**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
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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