

Product Datasheet

SOX2 Antibody - BSA Free

NB110-79875

Unit Size: 0.1 mg

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

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NB110-79875

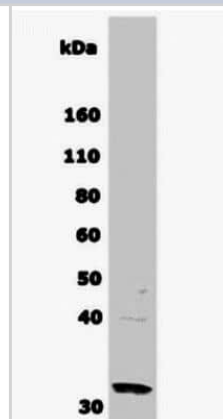
SOX2 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	34.3 kDa
Product Description	
Host	Rabbit
Gene ID	6657
Gene Symbol	SOX2
Species	Human, Mouse, Rat, Fish
Reactivity Notes	Human, Mouse and Rat. Based upon 100% immunogen sequence similarity, this antibody is predicted to react with Chicken, Xenopus, Zebrafish and Sheep. Fish reactivity reported in scientific literature (PMID: 22031714).
Marker	Embryonic Stem Cell Marker
Specificity/Sensitivity	SOX-2
Immunogen	Reacts with residues 113-127 of the 37 kDa (predicted molecular weight is 34 kDa) human, mouse and rat SOX-2 protein. Sequence is 100% conserved in most species.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry Assay dependent, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence Assay dependent, Immunohistochemistry-Paraffin
Application Notes	Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID 22031714) The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.



Images

Western Blot: SOX2 Antibody [NB110-79875] - WB analysis of SOX-2 protein in 10ug of normal human brain lysate with SOX-2 antibody NB110-79875 at a dilution of 1:500



Publications

Nicole Bournias-Vardiabasis THE EFFECTS OF RADIATION ON CANCER STEM CELLS IN GLIOBLASTOMA AND OVARIAN CANCER Thesis 2023-01-01 (FLOW, Human)

Details:

Dilution: 1:30

Chaushu L, Rahmanov Gavrielov M, Chaushu G Et Al. Curcumin Promotes Primary Oral Wound Healing in a Rat Model J Med Food 2020-08-17 [PMID: 32808857] (Rat)

Chaushu L, Rahmanov Gavrielov M et al. Palatal Wound Healing with Primary Intention in a Rat Model-Histology and Immunohistomorphometry. Medicina (Kaunas) 2020-04-24 [PMID: 32344587] (IF/IHC, Human)

Chacham M, Almoznino G, Zlotogorski-Hurvitz A et al. Expression of stem cell markers in stroma of odontogenic cysts and tumors J. Oral Pathol. Med. 2020-08-25 [PMID: 32840915] (Human)

Pfennig F, Kurth T, Meissner S et al. The social status of the male Nile tilapia (*Oreochromis niloticus*) influences testis structure and gene expression Reproduction. 2012-01-01 [PMID: 22031714] (IHC-P, Fish)

Seo E, Basu-Roy U, Zavadil J et al. Distinct functions of Sox2 control self-renewal and differentiation in the osteoblast lineage. Mol Cell Biol. 2011-09-19 [PMID: 21930787] (WB, Mouse)



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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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