Product Datasheet

SOX9 Antibody (3C10) - Azide and BSA Free
H00006662-M02

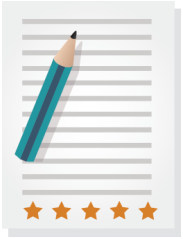
Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

Reviews: 1 Publications: 12

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00006662-M02

Updated 2/21/2025 v.20.1



H00006662-M02

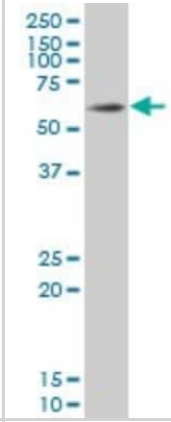
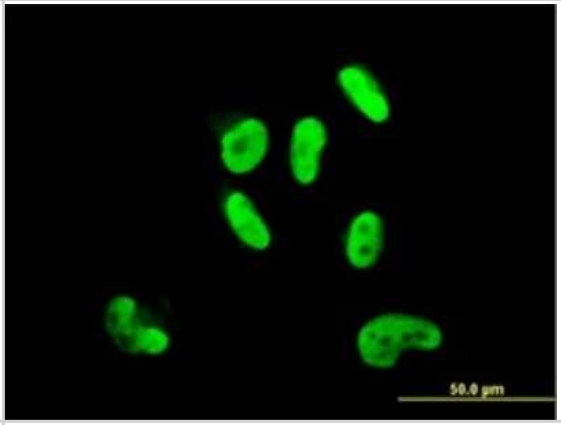
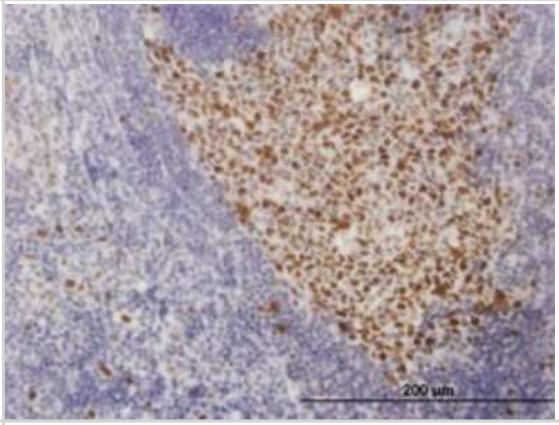
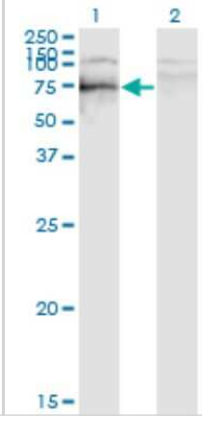
SOX9 Antibody (3C10) - Azide and BSA Free

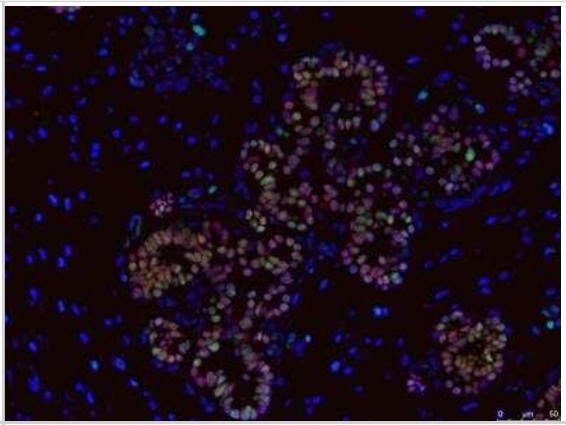
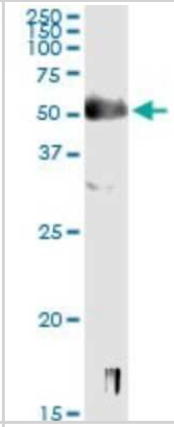
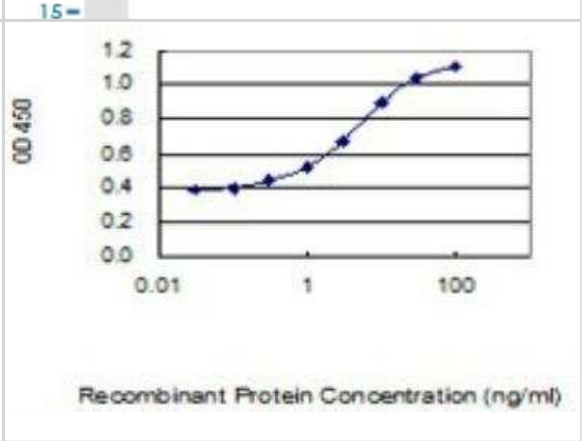
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3C10
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	6662
Gene Symbol	SOX9
Species	Human
Marker	Sertoli Cell Marker
Specificity/Sensitivity	SOX9 (3C10)
Immunogen	SOX9 (NP_000337, 400 a.a. ~ 509 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. EQLSPSHYSEQQQHSPQQIAYSPFNLPHYSPSYPPITRSQYDYTDHQNSSSYY SHAAGQGTGLYSTFTYMNPAQRPMYTPIADTSGVPSIPQTHSPQHWEQPVYT QLTRP
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, In-situ Hybridization
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, In-situ Hybridization
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. Use in Immunohistochemistry reported in scientific literature (PMID: 26030748). Use in In-situ Hybridization reported in scientific literature (PMID: 26546129).

Images

Western Blot: SOX9 Antibody (3C10) [H00006662-M02] - SOX9 monoclonal antibody (M02), clone 3C10 Analysis of SOX9 expression in HepG2.	
Immunocytochemistry/Immunofluorescence: SOX9 Antibody (3C10) [H00006662-M02] - Analysis of monoclonal antibody to SOX9 on HepG2 cell. Antibody concentration 10 ug/ml.	
Immunohistochemistry-Paraffin: SOX9 Antibody (3C10) [H00006662-M02] - Analysis of monoclonal antibody to SOX9 on formalin-fixed paraffin-embedded human tonsil. Antibody concentration 0.7 ug/ml.	
Western Blot: SOX9 Antibody (3C10) [H00006662-M02] - Analysis of SOX9 expression in transfected 293T cell line by SOX9 monoclonal antibody (M02), clone 3C10.Lane 1: SOX9 transfected lysate(56.1 KDa).Lane 2: Non-transfected lysate.	

Immunohistochemistry-Paraffin: SOX9 Antibody (3C10) [H00006662-M02] - analysis of SOX9 in formalin-fixed, paraffin-embedded human fetal developing pancreas tissue using anti-SOX9 antibody. Image from verified customer review.	
Immunoprecipitation: SOX9 Antibody (3C10) [H00006662-M02] - Analysis of SOX9 transfected lysate using anti-SOX9 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with SOX9 MaxPab rabbit polyclonal antibody.	
ELISA: SOX9 Antibody (3C10) [H00006662-M02] - Detection limit for recombinant GST tagged SOX9 is 0.1 ng/ml as a capture antibody.	

Publications

Kim YI, Tseng YC, Ayaz G et al. SOX9 is a key component of RUNX2-regulated transcriptional circuitry in osteosarcoma Cell & Bioscience 2023-07-25 [PMID: 37491298]

Wollenberg AL, O'Shea TM, Kim JH et al. Injectable polypeptide hydrogels via methionine modification for neural stem cell delivery Biomaterials 2018-09-01 [PMID: 29657091] (Immunohistochemistry, Immunocytochemistry/ Immunofluorescence)

Eshini P, Joana M, Tingjian W et al. BAF complex maintains glioma stem cells in pediatric H3K27M-glioma. Cancer Discov. 2022-10-28 [PMID: 36305736]

Wang Z, Sun D, Chen Yj Et Al. Cell Lineage-Based Stratification for Glioblastoma Cancer Cell 2020-06-23 [PMID: 32649888] (Human)

Janssen JN, Batschkus S, Schimmel S et al. The Influence of TGF-β3, EGF, and BGN on SOX9 and RUNX2 Expression in Human Chondrogenic Progenitor Cells. J Histochem Cytochem. 2018-11-15 [PMID: 30431382]

Yang Z, Zhang C, Qi W et al. GLI1 promotes cancer stemness through intracellular signaling pathway PI3K/Akt/NF?B in colorectal adenocarcinoma. Exp Cell Res 2018-10-12 [PMID: 30321514]

Burdelski C, Bujupi E, Tsourlakis MC et al. Loss of SOX9 Expression Is Associated with PSA Recurrence in ERG-Positive and PTEN Deleted Prostate Cancers. PLoS One 2015-01-01 [PMID: 26030748] (IF/IHC)

Hagel C, Treszl A, Fehlert J et al. Supra- and infratentorial pediatric ependymomas differ significantly in NeuN, p75 and GFAP expression. J Neurooncol. 2013-01-31 [PMID: 23371454]

Yun JY, Kim YA, Choe JY et al. Expression of cancer stem cell markers is more frequent in anaplastic thyroid carcinoma compared to papillary thyroid carcinoma and is related to adverse clinical outcome. J Clin Pathol. 2013-08-28 [PMID: 23986551]

Loebel C, Czekanska E, Bruderer M et al. In vitro osteogenic potential of human bone marrow derived MSCs is predicted by Runx2/Sox9 Ratio. Tissue Eng Part A. 2014-06-18 [PMID: 24980654]

Jurczyk A, Nowosielska A, Przewozniak N et al. Beyond the brain: disrupted in schizophrenia 1 regulates pancreatic B-cell function via glycogen synthase kinase-3B. FASEB J. 2015-11-06 [PMID: 26546129] (ISH, Human)

Hodgin JB, Borczuk AC, Nasr SH et al. A molecular profile of focal segmental glomerulosclerosis from formalin-fixed, paraffin-embedded tissue. Am J Pathol;177(4):1674-86. 2010-10-01 [PMID: 20847290]

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Products Related to H00006662-M02

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00006662-P01-10ug	Recombinant Human SOX9 GST (N-Term) Protein

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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