

Datasheet for ABIN669621
anti-SOX2 antibody (AA 227-317)[6 Images](#)[8 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	SOX2
Binding Specificity:	AA 227-317
Reactivity:	Human, Mouse, Rat, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOX2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse Transcription factor SOX-2
Isotype:	IgG
Cross-Reactivity:	Goat, Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	SOX2
---------	------

Target Details

Alternative Name:	SOX2 (SOX2 Products)
Background:	<p>Synonyms: lcc, ysb, Sox-2, Transcription factor SOX-2, Sox2</p> <p>Background: Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP26. Critical for early embryogenesis and for embryonic stem cell pluripotency. May function as a switch in neuronal development. Downstream SRRT target that mediates the promotion of neural stem cell self-renewal. Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation (By similarity).</p>
Gene ID:	20674
UniProt:	P48432
Pathways:	Dopaminergic Neurogenesis , Sensory Perception of Sound , Stem Cell Maintenance , Cell RedoxHomeostasis

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Wang, Wang, Li, Liu, Jiang, Li, Cao, Zhao, Wang, Luo: "Silencing stem cell factor attenuates stemness and inhibits migration of cancer stem cells derived from Lewis lung carcinoma cells." in: **Tumour biology**, Vol. 37, Issue 6, pp. 7213-27, (2016) ([PubMed](#)).

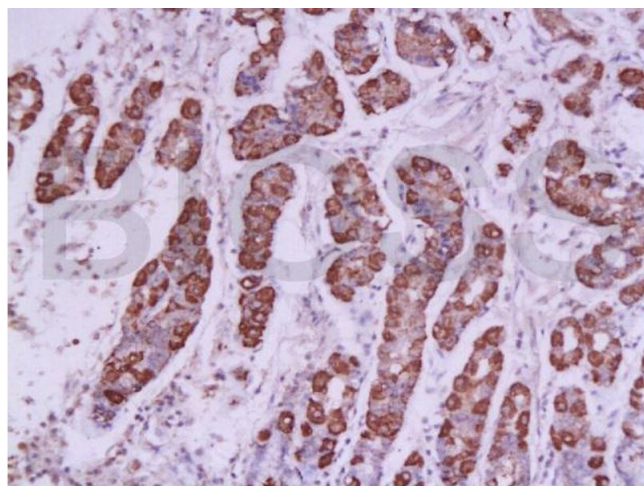
Yan, Li, Li, Lin, Yang: "Osthole Protects Bone Marrow-Derived Neural Stem Cells from Oxidative Damage through PI3K/Akt-1 Pathway." in: **Neurochemical research**, (2016) ([PubMed](#)).

Ma, Zhou, Li, Zheng, Wu, Niu, Tang, He, Li, Hua: "Lin28a promotes self-renewal and proliferation of dairy goat spermatogonial stem cells (SSCs) through regulation of mTOR and PI3K/AKT." in: **Scientific reports**, Vol. 6, pp. 38805, (2016) ([PubMed](#)).

Liu, Zhang, Wang, Yang, Tan: "JNK is required for maintaining the tumor-initiating cell-like properties of acquired chemoresistant human cancer cells." in: **Acta pharmacologica Sinica**, Vol. 36, Issue 9, pp. 1099-106, (2016) ([PubMed](#)).

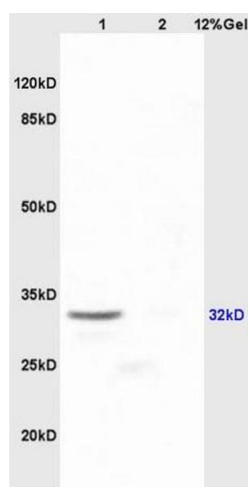
Liu, Jiang, Wang, Hao, Shang, Zhang, Cao, Xu, Zhan, Wang: "A panel of protein markers for the early detection of lung cancer with bronchial brushing specimens." in: **Cancer cytopathology**, Vol. 122, Issue 11, pp. 833-41, (2014) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



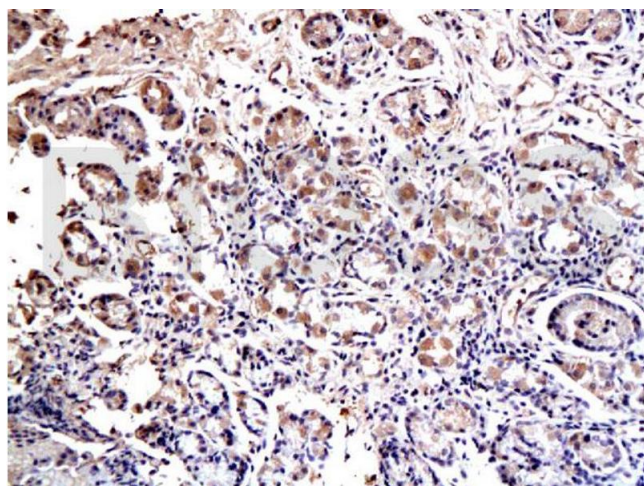
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human stomach labeled with Anti-SOX2 Polyclonal Antibody, Unconjugated (ABIN669621) at 1:200 followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

Image 2. Lane 1: mouse embryo lysates Lane 2: mouse lung lysates probed with Anti SOX2 Polyclonal Antibody, Unconjugated (ABIN669621) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 32kD. Observed band size: 32kD.



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded rat esophagus labeled with Anti-SOX2 Polyclonal Antibody, Unconjugated (ABIN669621) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN669621.