

Datasheet for ABIN7172615
anti-SOX2 antibody (AA 1-317)[Go to Product page](#)

7 Images

Overview

Quantity:	100 µg
Target:	SOX2
Binding Specificity:	AA 1-317
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOX2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Transcription factor SOX-2 protein (1-317AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	SOX2
Alternative Name:	SOX2 (SOX2 Products)
Background:	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

Target Details

YES1, FGF4, UTF1 and ZFP206 By similarity. 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 By similarity. Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation

Aliases: ANOP3 antibody, cb236 antibody, Delta EF2a antibody, lcc antibody, MCOPS3 antibody, MGC148683 antibody, MGC2413 antibody, RGD1565646 antibody, Sex determining region Y box 2 antibody, SOX 2 antibody, Sox2 antibody, SOX2_HUMAN antibody, SRY (sex determining region Y) box 2 antibody, SRY box containing gene 2 antibody, SRY related HMG box 2 antibody, SRY related HMG box gene 2 antibody, SRY-box 2 antibody, Transcription factor SOX 2 antibody, Transcription factor SOX-2 antibody, ysb antibody

UniProt: [P48431](#)

Pathways: [Dopaminergic Neurogenesis](#), [Sensory Perception of Sound](#), [Stem Cell Maintenance](#), [Cell RedoxHomeostasis](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

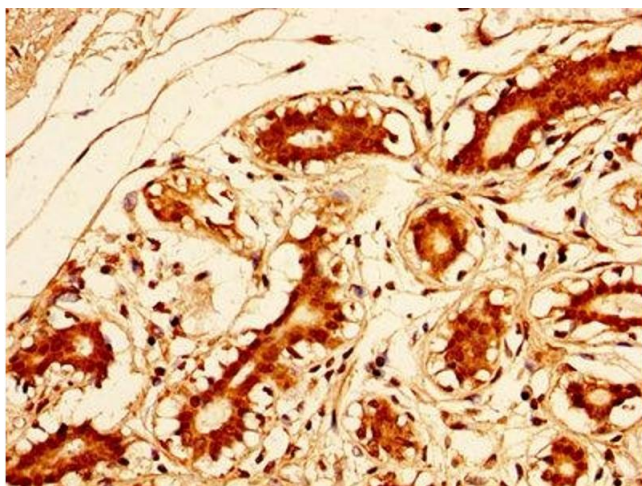
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

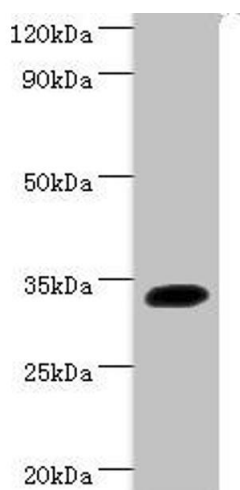
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



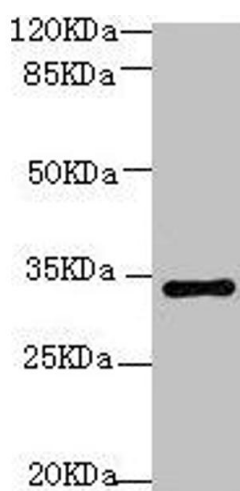
Immunohistochemistry

Image 1. IHC image of ABIN7172615 diluted at 1:500 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western blot All lanes: Transcription factor SOX-2 antibody at 2 µg/mL + Mouse kidney tissue Secondary Goat polyclonal to rabbit IgG at 1/15000 dilution Predicted band size: 34 kDa Observed band size: 34 kDa



Western Blotting

Image 3. Western Blot All lanes: Transcription factor SOX-2 antibody at 6 µg/mL + 293T whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/15000 dilution Predicted band size: 34 kDa Observed band size: 34 kDa

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7172615.