

Datasheet for ABIN357437
anti-SOX2 antibody (N-Term)

5 Images



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Overview

Quantity:	0.4 mL
Target:	SOX2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOX2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This SOX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 97~126 amino selected from the N-terminal region of human SOX2.
Isotype:	Ig Fraction
Specificity:	This antibody detects SOX2 at N-term.
Cross-Reactivity (Details):	Species reactivity (expected):Mouse, Zebrafish. Species reactivity (tested):Human.
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS

Target Details

Target:	SOX2
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Target Details

Alternative Name:	SOX2 (SOX2 Products)
Background:	The intronless gene for SOX2 encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. Mutations in the SOX2 gene have been associated with bilateral anophthalmia, a severe form of structural eye malformation.Synonyms: ANOP3, MCOPS3, SRY (sex determining region Y)-box 2, SRY-box 2, SRY-related HMG-box gene 2, Transcription factor SOX-2
Molecular Weight:	34310 Da (based on amino acid sequence). Theoretical pI: 9.74.
Gene ID:	6657, 9606
UniProt:	P48431
Pathways:	Dopaminergic Neurogenesis , Sensory Perception of Sound , Stem Cell Maintenance , Cell RedoxHomeostasis

Application Details

Application Notes:	ELISA: 1/1,000. Western blot: 1/50-1/100. Immunohistochemistry: 1/10-1/50. Immunofluorescence: 1/10-1/50. Flow Cytometry: 1/10-1/50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.

Images

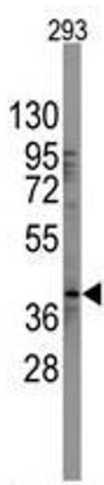


Image 1.

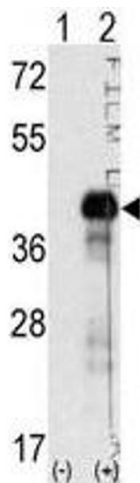


Image 2.

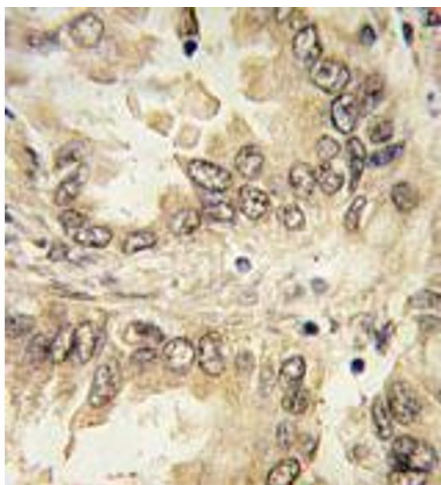


Image 3.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN357437.