

Datasheet for ABIN356387

## anti-SOX2 antibody

### 5 Images



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### Overview

Quantity:	0.4 mL
Target:	SOX2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SOX2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

### Product Details

Immunogen:	SOX2 recombinant protein.
Clone:	57CT23-3-4
Isotype:	IgG1
Specificity:	This antibody is specific to SOX2.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Characteristics:	Synonyms: Transcription factor SOX-2, ANOP3, MCOPS3, SRY-box 2, SRY-related HMG-box gene 2, SRY(sex determining region Y)-box 2
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

### Target Details

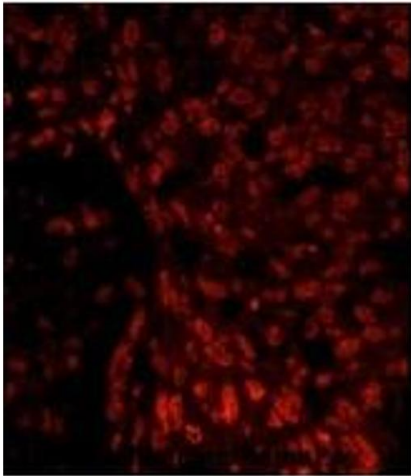
Target:	SOX2
Alternative Name:	SOX2 ( <a href="#">SOX2 Products</a> )
Background:	SOX2 is a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. This protein may act as a transcriptional activator 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
Gene ID:	6657
UniProt:	<a href="#">P48431</a>
Pathways:	<a href="#">Dopaminergic Neurogenesis</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Cell RedoxHomeostasis</a>

### Application Details

Application Notes:	ELISA: 1/10000. Western blot: 1/200-1/2000. Immunohistochemistry on paraffin sections: 1/50-1/100. Immunofluorescence: 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

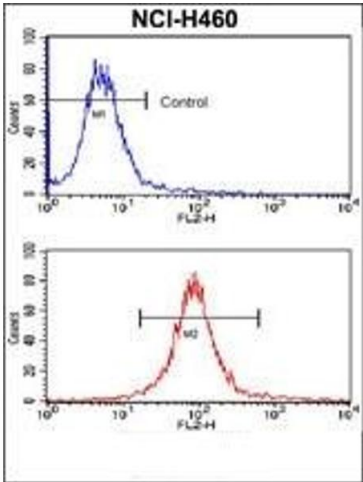
### Handling

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.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.



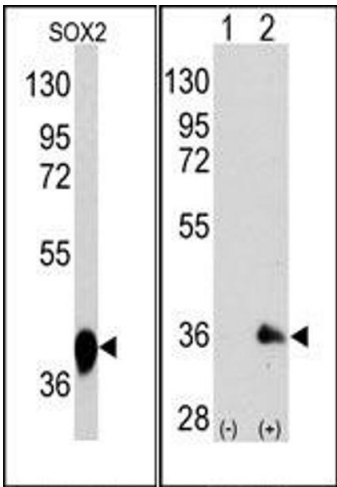
**Immunofluorescence**

Image 1.



**Flow Cytometry**

Image 2.



**Western Blotting**

Image 3.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN356387.