

Datasheet for ABIN3032736
anti-SOX2 antibody (AA 89-119)

8 Images

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Overview

Quantity:	0.4 mL
Target:	SOX2
Binding Specificity:	AA 89-119
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOX2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 89-119 from the human protein was used as the immunogen for this SOX-2 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Chicken, Zebrafish, Xenopus
Purification:	Purified

Target Details

Target:	SOX2
Alternative Name:	SOX-2 (SOX2 Products)

Target Details

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.

UniProt: [P48431](#)

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

Application Details

Application Notes: Titration of the SOX-2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50,Immunofluorescence: 1:10-1:50,Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

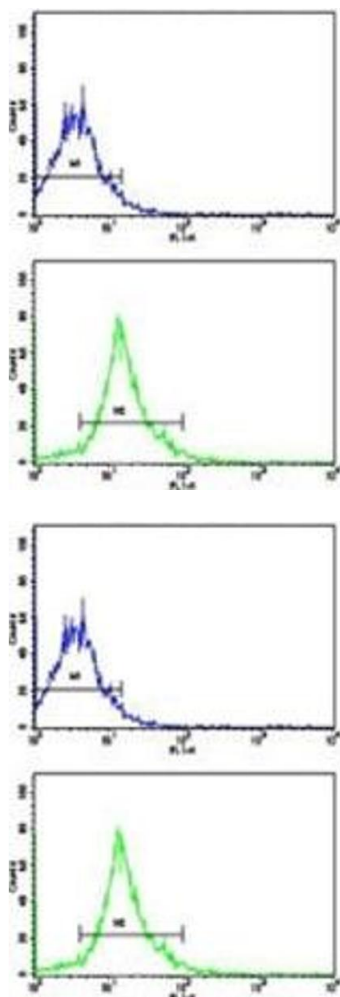
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

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: -20 °C

Storage Comment: Aliquot the SOX-2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

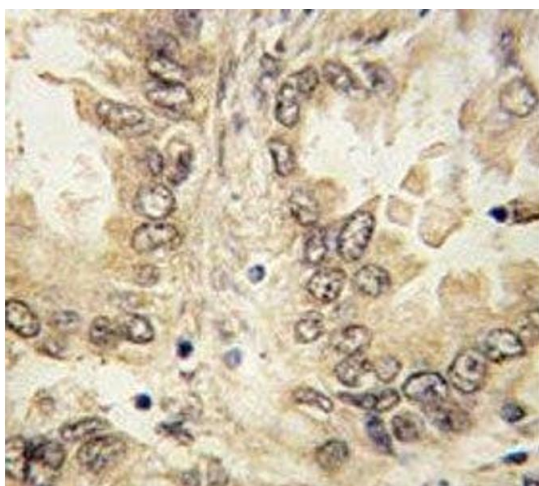


Flow Cytometry

Image 1. Flow cytometric analysis of NCI-H292 cells using SOX-2 antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Flow Cytometry

Image 2. Flow cytometric analysis of NCI-H292 cells using SOX-2 antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Immunohistochemistry

Image 3. IHC analysis of FFPE human lung carcinoma tissue stained with SOX-2 antibody

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN3032736.