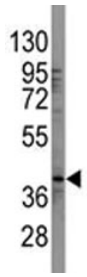
SOX-2 Antibody (F47908)

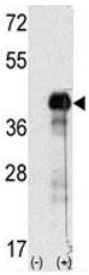
Catalog No.	Formulation	Size
F47908-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47908-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

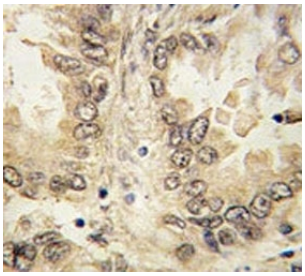
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Chicken, Zebrafish, Xenopus
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P48431
Localization	Cytoplasmic, nuclear
Applications	Western blot: 1:1000 IHC (Paraffin): 1:10-1:50 Immunofluorescence: 1:10-1:50 Flow Cytometry: 1:10-1:50
Limitations	This SOX-2 antibody is available for research use only.



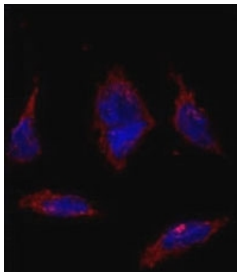
Western blot analysis of SOX-2 antibody and 293 lysate



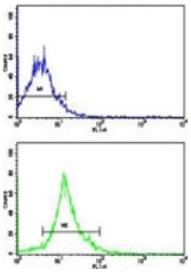
Western blot analysis of SOX-2 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the SOX2 gene (2).



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



Immunofluorescence analysis of SOX-2 antibody and HeLa cells. Primary antibody was followed by Alexa-Fluor-546-conjugated donkey anti-rabbit lgG (H+L). Alexa-Fluor-546 emits orange fluorescence. Blue counterstaining is DAPI.



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.

Description

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.

Application Notes

Titration of the SOX-2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 89-119 from the human protein was used as the immunogen for this SOX-2 antibody.

Storage

Aliquot the SOX-2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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