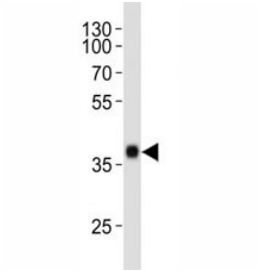
SOX2 Antibody [clone 57CT23.3.4] (F40361)

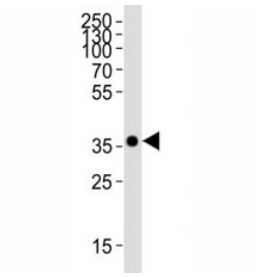
Catalog No.	Formulation	Size
F40361-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40361-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

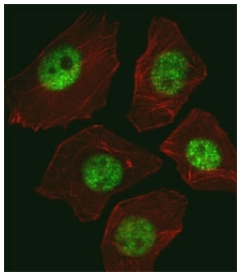
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	57CT23.3.4
Purity	Purified
UniProt	P48431
Localization	Cytoplasmic, nuclear
Applications	Immunofluorescence: 1:10-1:50 Western blot: 1:200-1:2000 IHC (Paraffin): 1:50-1:100 Flow Cytometry: 1:10-1:50
Limitations	This SOX2 antibody is available for research use only.



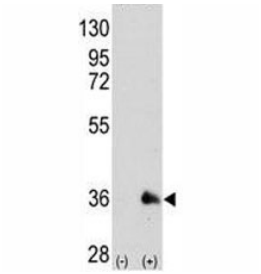
Western blot analysis of lysate from NCCIT cell line using SOX2 antibody at 1:1000.



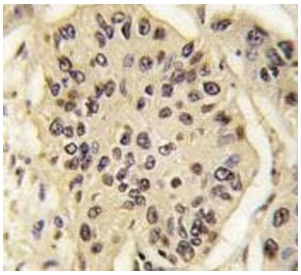
Western blot analysis of SOX2 recombinant protein using SOX2 antibody at 1:4000.



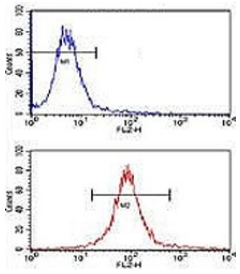
Fluorescent image of A549 cell stained with SOX2 antibody at 1:25. Immunoreactivity is localized to the nucleus.



Western blot analysis of SOX2 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 SOX2 antibody.



Flow cytometric analysis of NCI-H460 cells using SOX2 antibody (bottom histogram) compared to a negative control cell (top histogram). PE-conjugated goat-anti-mouse secondary Ab was used for the analysis.

Description

This intronless gene 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 product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT).

Application Notes

Titration of the SOX2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

recombinant protein was used to produce this monoclonal SOX2 antibody.

Storage

Aliquot the SOX2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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