

SOX1 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11764a**Specification**

SOX1 Antibody (N-term) - Product Information

Application	FC, WB,E
Primary Accession	O00570
Other Accession	O9DDD7 , P47792 , Q6EJB7 , P48433 , O5FWM3 , P55863 , O42569 , P48432 , P48431 , O6P0E1 , P48430 , Q2PG84 , P53783 , O57401 , Q2Z1R2 , Q6DGL6 , B0ZTE2 , Q04892 , P61259 , O95416 , Q32PP9 , Q9W7R6 , NP_005977.2 , P54231
Reactivity	Human
Predicted	Chicken, Zebrafish, Monkey, Mouse, Xenopus, Sheep
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39023
Antigen Region	47-76

SOX1 Antibody (N-term) - Additional Information**Gene ID** 6656**Other Names**

Transcription factor SOX-1, SOX1

Target/Specificity

This SOX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 47-76 amino acids from the N-terminal region of human SOX1.

Dilution

FC~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SOX1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SOX1 Antibody (N-term) - Protein Information

Name SOX1

Function Transcriptional activator. May function as a switch in neuronal development. Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation (By similarity).

Cellular Location

Nucleus.

Tissue Location

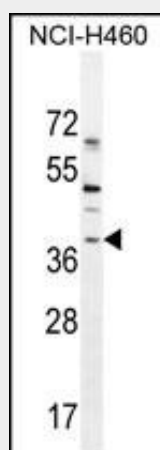
Mainly expressed in the developing central nervous system

SOX1 Antibody (N-term) - Protocols

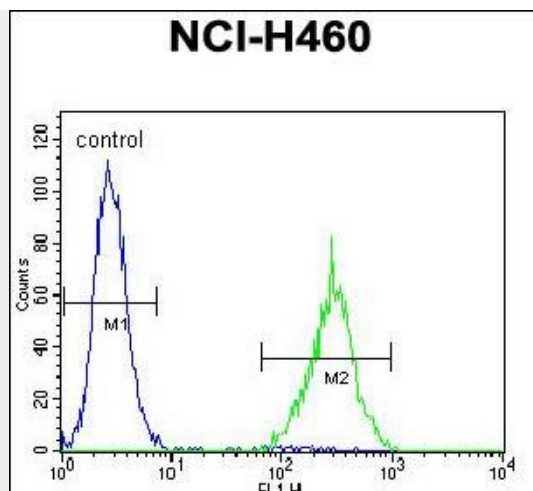
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SOX1 Antibody (N-term) - Images



SOX1 Antibody (N-term) (Cat. #AP11764a) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the SOX1 antibody detected the SOX1 protein (arrow).



SOX1 Antibody (N-term) (Cat. #AP11764a) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

SOX1 Antibody (N-term) - Background

This intronless gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. In mice, a similar protein regulates the gamma-crystallin genes and is essential for lens development.

SOX1 Antibody (N-term) - References

Panayi, H., et al. J. Neurosci. 30(37):12274-12280(2010)
Phi, J.H., et al. J Neurosurg Pediatr 5(6):608-614(2010)
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Titulaer, M.J., et al. J. Clin. Oncol. 27(26):4260-4267(2009)
Stolk, L., et al. Nat. Genet. 41(6):645-647(2009)