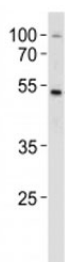


SOX4 Antibody (F47904)

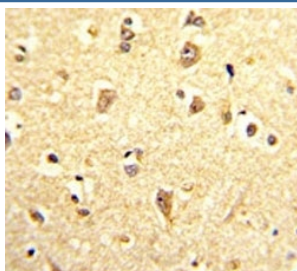
Catalog No.	Formulation	Size
F47904-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47904-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q06945
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This SOX4 antibody is available for research use only.



SOX4 antibody western blot analysis in MCF-7 lysate. Expected/observed molecular weight ~47kDa.



IHC analysis of FFPE human brain stained with SOX4 antibody

Description

SOX4 is 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 protein may act as a transcriptional regulator after forming a protein complex with other proteins, such as syndecan binding protein (syntenin). The protein may function in the apoptosis pathway leading to cell death as well as to tumorigenesis and may mediate downstream effects of parathyroid hormone (PTH) and PTH-related protein (PTHrP) in bone development. The solution structure has been resolved for the HMG-box of a similar mouse protein.

Application Notes

Titration of the SOX4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 269-297 from the human protein was used as the immunogen for this SOX4 antibody.

Storage

Aliquot the SOX4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.