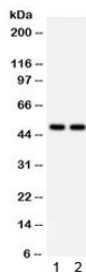


SOX4 Antibody (R32196)

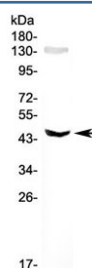
Catalog No.	Formulation	Size
R32196	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q06945
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 0.1-0.5ug/ml
Limitations	This SOX4 antibody is available for research use only.



Western blot testing of human 1) MCF7 and 2) 293 cell lysate with SOX4 antibody. Expected/observed molecular weight ~47 kDa.



Western blot testing of mouse brain lysate with SOX4 antibody. Expected/observed molecular weight ~47 kDa.

Description

Transcription factor SOX-4 is a protein that in humans is encoded by the SOX4 gene. 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 regulator after forming a protein complex with other proteins, such as syndecan binding protein (syntenin). This 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

Optimal dilution of the SOX4 antibody should be determined by the researcher.

Immunogen

Amino acids MVQQTNNAENTEALLAGESSDSGAGLELGIA of human SOX4 were used as the immunogen for the SOX4 antibody.

Storage

After reconstitution, the SOX4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.