

SOX4, Rabbit pAb

CATALOG #:	3168-100
AMOUNT:	100 µg
LOT #:	_____
HOST (ISOTYPE):	Rabbit (Ig)
IMMUNOGEN:	KLH conjugated synthetic peptide selected from the N-terminal region of human SOX4.
SPECIES REACTIVITY:	Human

FORMULATION:

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 CONDITIONS:

Maintain refrigerated at 2-8°C for up to 6 months or -20°C for long term storage.

BACKGROUND 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.

BACKGROUND REFERENCES:

1. Farr C.J., Easty D.J. Mamm. Genome 4:577-584(1993)
2. Pan X., Li H., Zhang P. Biochem. Biophys. Res. Commun. 344:727-734(2006)

OTHER NAMES:

Transcription factor SOX-4; SOX4.

SPECIFICITY:

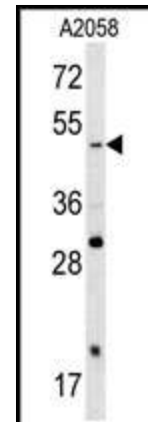
The antibody detects a ~ 47 kDa band, corresponding to the expected molecular mass of SOX4 on immunoblots.

APPLICATION (suggested concentration):

The antibody can be used for ELISA (0.25 µg/ml), Western blotting (2.5 – 5 µg/ml).

FOR RESEARCH USE ONLY! Not to be used on humans.

APPLICATION DATA (Calculated MW = 47263 Da):



Western blot analysis of SOX4 antibody (Cat. #3168-100) in A2058 cell line lysates (35µg/lane). SOX4 (arrow) was detected using the purified pAb.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System