

For Research Use Only

SOX4 Polyclonal antibody

Catalog Number: 27414-1-AP

4 Publications



Basic Information

Catalog Number:

27414-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26583

GenBank Accession Number:

BC072668

GeneID (NCBI):

6659

UNIPROT ID:

Q06945

Full Name:

SRY (sex determining region Y)-box 4

Calculated MW:

474 aa, 47 kDa

Observed MW:

47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : A549 cells, HL-60 cells, HepG2 cells, K-562 cells, MDA-MB-231 cells

Background Information

SOX4 is a member of the SOX (SRY-related HMG-box) family of transcription factors that play key roles in the regulation of stemness, differentiation, progenitor cell development, and multiple developmental pathways. A single-exon gene encodes the SOX4 protein and contains a highly conserved high-mobility group (HMG) DNA binding domain related to the TCF/LEF family of transcription factors that play important roles in the Wnt pathway. SOX4 is expressed in stem cells, and modulates stem cell activation and likely also plays a role in stem cell maintenance, possibly through activation of expression of SOX2 (PMID: 23764001, 31445218). The calculated molecular weight of SOX4 is 47 kDa.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|---------------|-----------|-----------------|-------------|
| Caiyue Ren | 39498874 | Adv Sci (Weinh) | WB |
| Chang Liu | 38376172 | Oral Dis | WB |
| Jing-Wen Shih | 38203779 | Int J Mol Sci | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

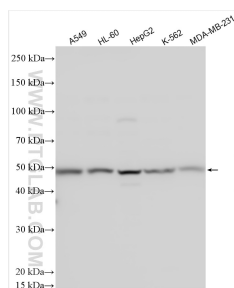
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27414-1-AP (SOX4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.