

For Research Use Only

# SOX4 Polyclonal antibody

Catalog Number: 27414-1-AP

4 Publications



## Basic Information

Catalog Number:

27414-1-AP

Size:

500 ug/ml

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

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

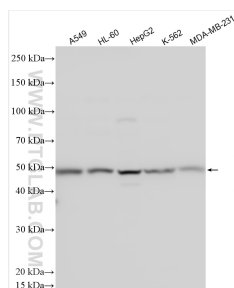
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## 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.