

For Research Use Only

SOX4 Polyclonal antibody

Catalog Number: 27414-1-AP **3 Publications**



Basic Information

Catalog Number: 27414-1-AP	GenBank Accession Number: BC072668	Purification Method: Antigen affinity purification
Size: 700 µg/ml	GeneID (NCBI): 6659	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: Q06945	
Isotype: IgG	Full Name: SRY (sex determining region Y)-box 4	
Immunogen Catalog Number: AG26583	Calculated MW: 474 aa, 47 kDa	
	Observed MW: 47 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: A549 cells, HL-60 cells, HepG2 cells, K-562 cells, MDA-MB-231 cells
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	

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
Chang Liu	38376172	Oral Dis	WB
Jing-Wen Shih	38203779	Int J Mol Sci	WB
Xue Liang	38171389	Cell Signal	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:

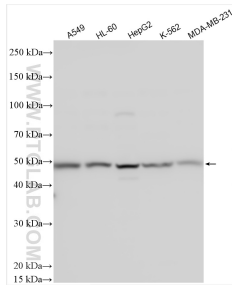
T: 4006900926

E: Proteintech-CN@ptglab.com

W: 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.