

For Research Use Only

SOX4 Recombinant antibody

Catalog Number:83660-1-RR



Basic Information

Catalog Number: 83660-1-RR	GenBank Accession Number: BC072668	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 6659	CloneNo.: 240625E3
Source: Rabbit	UNIPROT ID: Q06945	Recommended Dilutions: WB 1:2000-1:10000
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, FC (Intra), ELISA	Positive Controls: WB : Jurkat cells, A431 cells, MCF-7 cells, SGC-7901 cells
Species Specificity: 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.

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

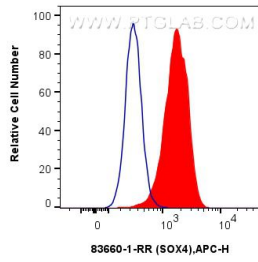
For technical support and original validation data for this product please contact:

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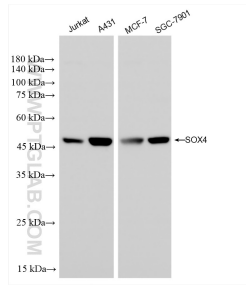
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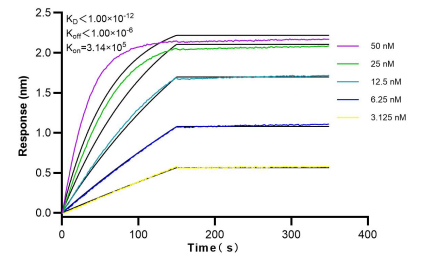
Selected Validation Data



1x10⁶ SH-SY5Y cells were intracellularly stained with 0.25 ug SOX4 Recombinant antibody (83660-1-RR, Clone:240625E3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Various lysates were subjected to SDS PAGE followed by western blot with 83660-1-RR (SOX4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Bi-layer interferometry (BLI) kinetic assays of 83660-1-RR against Human SOX4 were performed. The affinity constant is below 1 pM.