

For Research Use Only

# SOX4 Recombinant antibody

Catalog Number: 83660-1-RR



## Basic Information

Catalog Number:

83660-1-RR

Size:

1000 µg/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:

Protein A purification

CloneNo.:

240625E3

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells, A431 cells, MCF-7 cells, SGC-7901 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.

## 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:

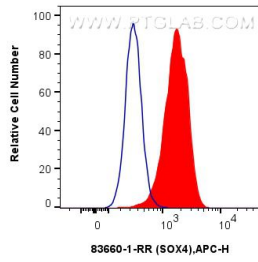
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

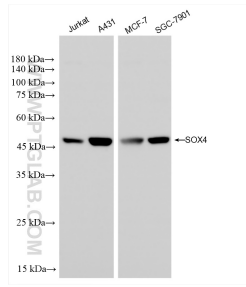
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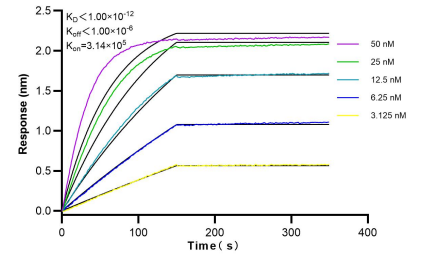
## Selected Validation Data



1x10<sup>6</sup> 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.