

For Research Use Only

# SOX1 Polyclonal antibody

Catalog Number: 20744-1-AP

2 Publications



## Basic Information

Catalog Number:

20744-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 327 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_005986

GeneID (NCBI):

6656

UNIPROT ID:

O00570

Full Name:

SRY (sex determining region Y)-box 1

Calculated MW:

39 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : NCCIT cell,

## Background Information

Sox genes comprise a family of genes that are related to the mammalian sex determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. Sox genes encode putative transcriptional regulators implicated in the decision of cell fates during development and the control of diverse developmental processes. SOX1 may function as a switch in neuronal development and keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chaoshuai Zhao	32918341	J Cell Mol Med	WB
Youyi Tai	38883422	Mater Today Bio	IF

## 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

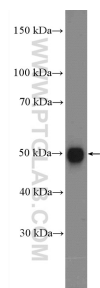
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## Selected Validation Data



NCCIT cell were subjected to SDS PAGE followed by western blot with 20744-1-AP (SOX1 Antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.