

For Research Use Only

SOX1 Polyclonal antibody

Catalog Number: 20744-1-AP **2 Publications**



Basic Information

Catalog Number: 20744-1-AP	GenBank Accession Number: NM_005986	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 6656	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	UNIPROT ID: O00570	
Isotype: IgG	Full Name: SRY (sex determining region Y)-box 1	
	Calculated MW: 39 kDa	
	Observed MW: 45-50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : NCCIT cell,
Cited Applications: WB, IF	
Species Specificity: human	
Cited Species: human	

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

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

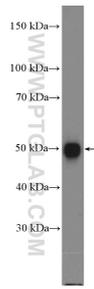
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Selected Validation Data



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.