

For Research Use Only

SOX7 Polyclonal antibody

Catalog Number: 23925-1-AP **3 Publications**



Basic Information

Catalog Number: 23925-1-AP	GenBank Accession Number: BC071947	Purification Method: Antigen affinity purification
Size: 750 µg/ml	GeneID (NCBI): 83595	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	UNIPROT ID: Q9BT81	
Isotype: IgG	Full Name: SRY (sex determining region Y)-box 7	
Immunogen Catalog Number: AG10323	Calculated MW: 388 aa, 42 kDa	
	Observed MW: 42-45 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : COLO 320 cells, mouse heart tissue, PC-3 cells IHC : human colon tissue, IF : PC-3 cells,
Cited Applications: WB, IP	
Species Specificity: human, mouse	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

SOX7, also named as Transcription factor SOX-7, is a 388 amino acid protein, which is widely expressed in adult and fetal tissues and tends to be down-regulated in prostate adenocarcinomas and colorectal tumors due to promoter hypermethylation. SOX7 binds to and activates the CDH5 promoter, hence plays a role in the transcriptional regulation of genes expressed in the hemogenic endothelium and blocks further differentiation into blood precursors. SOX7 may be required for the survival of both hematopoietic and endothelial precursors during specification.

Notable Publications

Author	Pubmed ID	Journal	Application
Baolei Li	35260939	Mol Genet Genomics	WB,IP
Qiao-Yang Sun	31332289	Oncogene	WB
Nanchao Hong	33846290	Cell Death Dis	WB

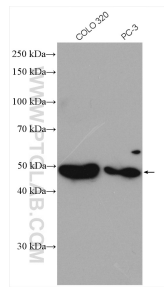
Storage

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

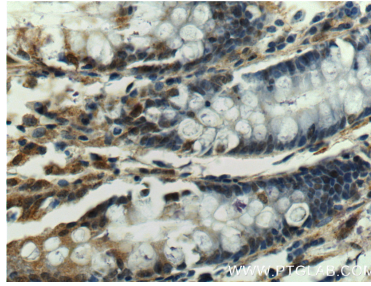
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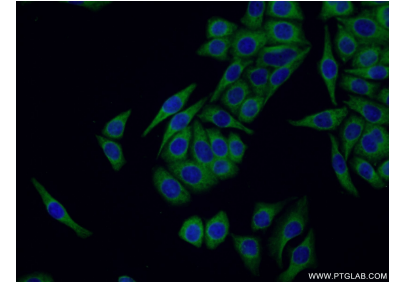
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23925-1-AP (SOX7 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 23925-1-AP (SOX7 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of PC-3 cells using 23925-1-AP (SOX7 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).