

For Research Use Only

SOX9 Polyclonal antibody

Catalog Number: 27526-1-AP

2 Publications



Basic Information

Catalog Number: 27526-1-AP	GenBank Accession Number: NM_000346	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 470 ug/ml by Nanodrop;	GeneID (NCBI): 6662	Recommended Dilutions: WB: 1:500-1:3000 IHC: 1:500-1:2000
Source: Rabbit	UNIPROT ID: P48436	
Isotype: IgG	Full Name: SRY (sex determining region Y)-box 9	
Immunogen Catalog Number: AG26274	Calculated MW: 56 kDa	
	Observed MW: 56 kDa, 68-75 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB	WB : A549 cells, COLO 320 cells, Caco-2 cells, Calu-1 cells, HepG2 cells
Species Specificity: human	IHC : human colon cancer tissue,
Cited Species: rat	
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

SOX9, also named as Transcription factor SOX-9, is a 509 amino acid protein. Sex-determining region Y (SRY)-box 9 protein (SOX9) is a member of the SOX family of transcription factors (TFs) which are developmental regulators that possess high mobility group (HMG) box DNA binding and transactivation domains. It participates in a variety of functions, such as lineage restriction and terminal differentiation, through precise temporal and spatial expression patterns that differ between particular cell types and tissues. SOX9 gene has been implicated in different types of cancer as an oncogene; however, it also may behave as a tumor suppressor. SOX9 can be ubiquitinated or SUMOylated to higher molecular weight (PMID: 24155239; 16307912; 16554309; 32070068)

Notable Publications

Author	Pubmed ID	Journal	Application
Dong Mao	42508654	Biochem Pharmacol	
Zhiqi Shi	41487490	Front Pharmacol	WB

Storage

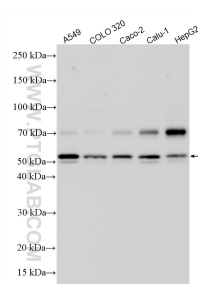
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

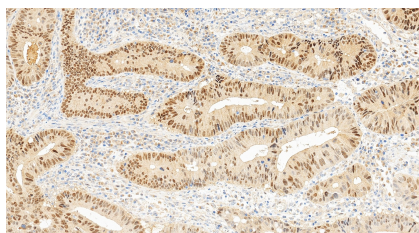
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27526-1-AP (SOX9 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 27526-1-AP (SOX9 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).