

For Research Use Only

SOX9 Polyclonal antibody

Catalog Number: 27526-1-AP

2 Publications



Basic Information

Catalog Number:

27526-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26274

GenBank Accession Number:

NM_000346

GeneID (NCBI):

6662

UNIPROT ID:

P48436

Full Name:

SRY (sex determining region Y)-box 9

Calculated MW:

56 kDa

Observed MW:

56 kDa, 68-75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:3000

IHC: 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

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

Positive Controls:

WB: A549 cells, COLO 320 cells, Caco-2 cells, Calu-1 cells, HepG2 cells

IHC: human colon cancer tissue,

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

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

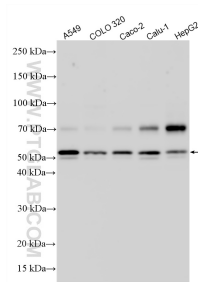
T: 4006900926

E: Proteintech-CN@ptglab.com

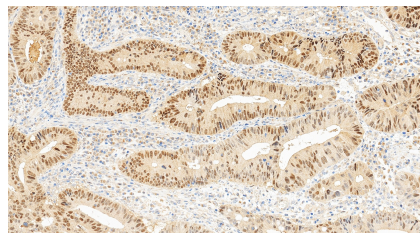
W: ptgcn.com

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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).