

For Research Use Only

SALL4 Polyclonal antibody

Catalog Number: 24500-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

24500-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 373 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17480

GenBank Accession Number:

BC111714

GeneID (NCBI):

57167

UNIPROT ID:

Q9UJQ4

Full Name:

sal-like 4 (Drosophila)

Calculated MW:

1053 aa, 112 kDa

Observed MW:

66-75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : HepG2 cells,

IP : HepG2 cells,

IHC : mouse testis tissue, human ovary tumor tissue, human testis tissue

IF/ICC : Caco-2 cells,

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

Sal-like protein 4 (SALL4), also named Zinc finger protein 797, contains 7 C2H2-type zinc fingers and belongs to the sal C2H2-type zinc-finger protein family. SALL4 is a transcription factor that exists in two splice isoforms and regulates transcription in embryonic stem cells, hematopoiesis, and acute myeloid leukemia. SALL4 is activated in fetal liver tissue, silenced in adult liver tissue, and reexpressed as an oncofetal protein in hepatocellular carcinoma (PMID: 26892498, 23758232). SALL4 has two isoforms with predicted molecular weights of 112 kDa (SALL4A) and 66 kDa (unmodified SALL4B), and SALL4B was found to be the dominant endogenous isoform in HCC cell lines. Ectopically expressed SALL4B migrated at 95 kDa modified by ubiquitination, 130 kDa modified by sumoylation (PMID: 23012367).

Notable Publications

Author	Pubmed ID	Journal	Application
Chaoqun Liu	34551797	J Exp Clin Cancer Res	WB
Qing-Dong Wang	36285444	Pathol Int	WB
Honghai Xia	27725724	Sci Rep	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

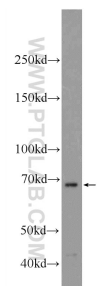
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

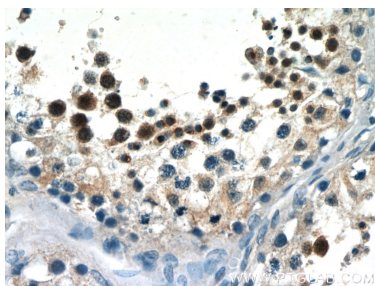
E: proteintech@ptglab.com
W: ptglab.com

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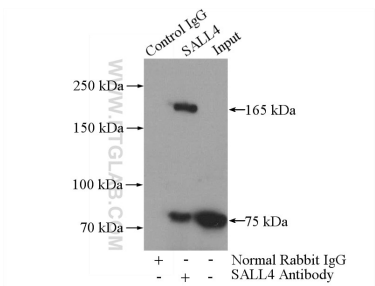
Selected Validation Data



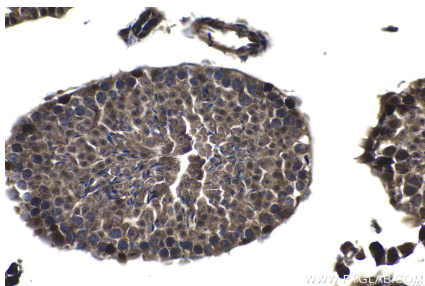
HepG2 cells were subjected to SDS PAGE followed by western blot with 24500-1-AP (SALL4 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



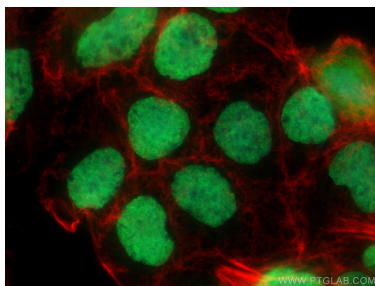
Immunohistochemical analysis of paraffin-embedded human testis slide using 24500-1-AP (SALL4 Antibody) at dilution of 1:50.



IP result of anti-SALL4 (IP:24500-1-AP, 4ug; Detection:24500-1-AP 1:600) with HepG2 cells lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 24500-1-AP (SALL4 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Caco-2 cells using SALL4 antibody (24500-1-AP) at dilution of 1:200 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).