

## SALL4 Polyclonal antibody

Catalog Number: 24500-1-AP

Featured Product

9 Publications

## Basic Information

## Catalog Number:

24500-1-AP

## Size:

450 µg/ml

## 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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:50-1:500

## Applications

## Tested Applications:

WB, IP, IF/ICC, IHC, ELISA

## Cited Applications:

WB, IF, IHC, CoIP

## Species Specificity:

human, rat, 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**

## Positive Controls:

WB : HepG2 cells,

IP : HepG2 cells,

IHC : human testis tissue, human ovary tumor tissue

IF : Caco-2 cells,

## 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, SALL4a and SALL4b, 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

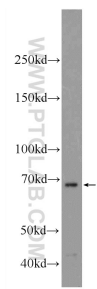
For technical support and original validation data for this product please contact:

T: 4006900926

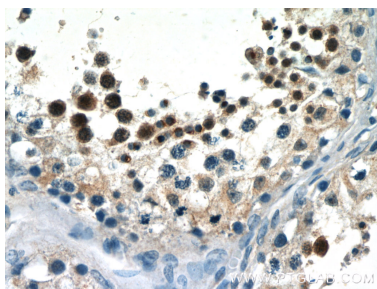
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

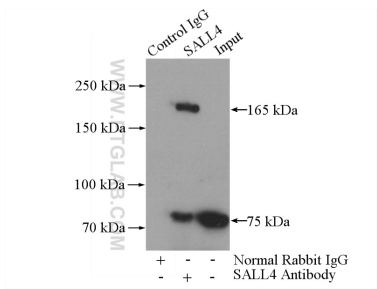
Selected Validation Data



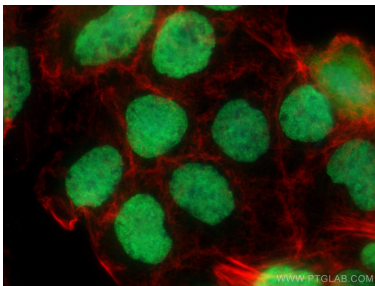
HepG2 cells were subjected to SDS PAGE followed by western blot with 24500-1-AP (SALL4 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.



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).