

For Research Use Only

# SIPA1L3 Polyclonal antibody

Catalog Number: 30544-1-AP



## Basic Information

<b>Catalog Number:</b> 30544-1-AP	<b>GenBank Accession Number:</b> BC150620	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 900 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23094	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IP 0.5-4.0 ug for IP and 1:1000-1:6000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> signal-induced proliferation-associated 1 like 3	<b>IF 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Observed MW:</b> 195 kDa	
<b>Immunogen Catalog Number:</b> AG30750		

## Applications

<b>Tested Applications:</b> IF, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse, rat	<b>WB :</b> mouse brain tissue, HeLa cells, rat brain tissue <b>IP :</b> HeLa cells, <b>IF :</b> HeLa cells, HEK-293 cells

## Background Information

STEAP3 (Signal-induced proliferation-associated 1-like protein 3) is also named as KIAA0545 and SPAL3. STEAP3 is a member of the STEAP family and is composed of a six-transmembrane domain at the COOH-terminal domain and a cytoplasmic N-terminal oxidoreductase domain, which is essential for iron and copper uptake (PMID:16227996). STEAP3 contains a functional p53-binding site in its promoter and can be upregulated following p53 activation to enhance cell death in myeloid leukemia cell line and breast cancer cells (PMID: 18617898). By interacting with Nix, a pro-apoptotic Bcl-2 family member, and Myt1 kinase, a negative regulator of the G2/M transition, STEAP3 overexpression promotes apoptosis and inhibits G2/M transition in cell cycle progression (PMID: 12606722, PMID: 10504341).

## 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

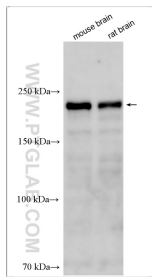
For technical support and original validation data for this product please contact:

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

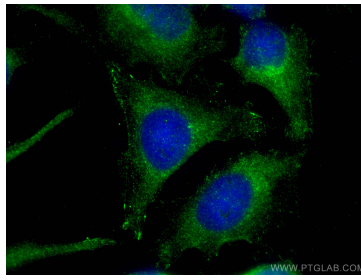
E: proteintech@ptglab.com  
W: ptglab.com

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

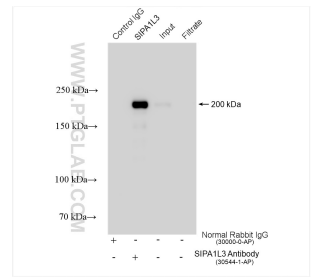
## Selected Validation Data



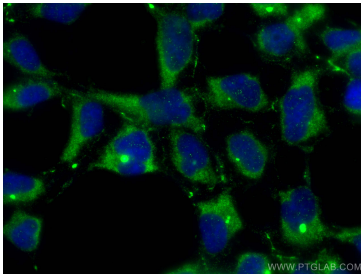
Various lysates were subjected to SDS PAGE followed by western blot with 30544-1-AP (SIPA1L3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using SIPA1L3 antibody (30544-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-SIPA1L3(IP:30544-1-AP, 4ug; Detection:30544-1-AP 1:3000) with HeLa cells lysate 1320 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using SIPA1L3 antibody (30544-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).