

For Research Use Only

SIPA1L3 Polyclonal antibody

Catalog Number: 30544-1-AP

1 Publications



Basic Information

Catalog Number:

30544-1-AP

Size:

900 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30750

GenBank Accession Number:

BC150620

GeneID (NCBI):

23094

UNIPROT ID:

O60292

Full Name:

signal-induced proliferation-associated 1 like 3

Observed MW:

195 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse brain tissue, HeLa cells, rat brain tissue

IP : HeLa cells,

IHC : human ovary cancer tissue,

IF/ICC : HeLa cells, HEK-293 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

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Stephan Tetenborg	39651118	bioRxiv	WB,IP,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:

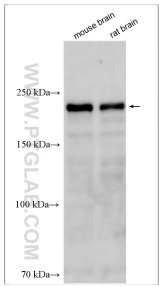
T: 4006900926

E: Proteintech-CN@ptglab.com

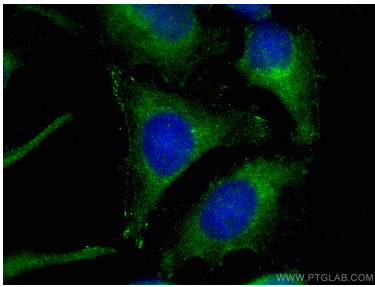
W: ptgcn.com

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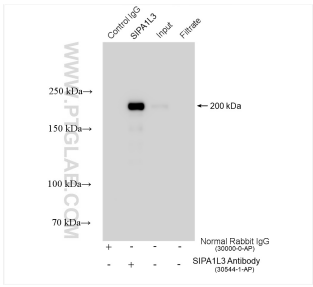
Selected Validation Data



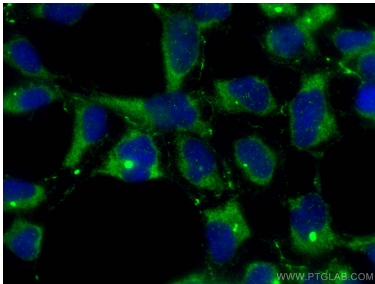
Various lysates were subjected to SDS PAGE followed by western blot with 30544-1-AP (SIPA1L3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



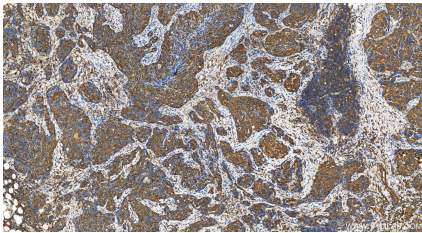
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using SIPA1L3 antibody (30544-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 30544-1-AP (SIPA1L3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).