

For Research Use Only

PLAA Polyclonal antibody

Catalog Number: 12529-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

12529-1-AP

Size:

150ul, Concentration: 800 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3224

GenBank Accession Number:

BC032551

GeneID (NCBI):

9373

UNIPROT ID:

Q9Y263

Full Name:

phospholipase A2-activating protein

Calculated MW:

738 aa, 81 kDa

Observed MW:

72-74 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human

Cited Species:

human, mouse

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 : K-562 cells, MCF-7 cells

IP : K-562 cells,

IHC : human lung cancer tissue, human kidney tissue

Background Information

Phospholipase A-2-activating protein (PLAA), also named PLAP, can interact with ubiquitin and is involved in the maintenance of ubiquitin levels. PLAA contains multiple consensus domains including WD repeats, PFU domain and PUL domain. Although the function of PLAA remains unclear, ubiquitin binding of PLAA might be the central role that connects ubiquitination and degradation in ERAD. Recent finding revealed that PLAA served as a novel nociveptive mediator after incision, and its expression level is regulated by miR-203.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoguang Liu	38430542	Protein Cell	WB
Zhilong Zheng	37211156	Biochim Biophys Acta Mol Cell Res	WB,IF
Sun Yuan Y	22846677	Anesthesiology	WB, IHC

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

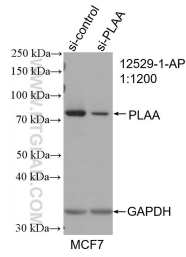
For technical support and original validation data for this product please contact:

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

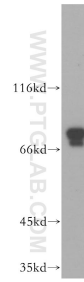
E: proteintech@ptglab.com
W: ptglab.com

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

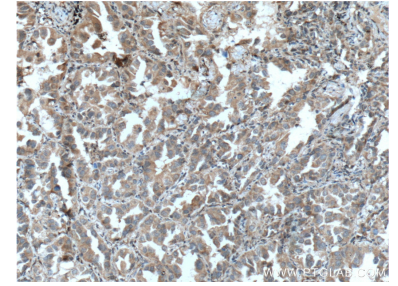
Selected Validation Data



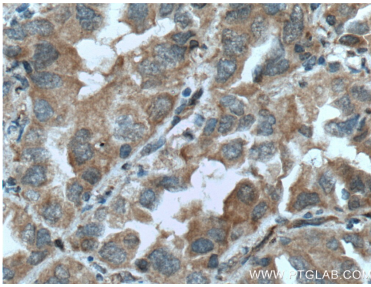
WB result of PLAA antibody (12529-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-PLAA transfected MCF-7 cells.



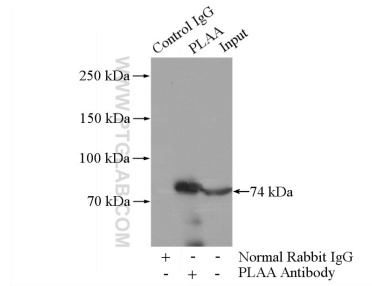
K-562 cells were subjected to SDS PAGE followed by western blot with 12529-1-AP (PLAA antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12529-1-AP (PLAA Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12529-1-AP (PLAA Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-PLAA (IP:12529-1-AP, 4 μ g; Detection:12529-1-AP 1:600) with K-562 cells lysate 3200 μ g.