

Alix Monoclonal antibody

Catalog Number: 67715-1-Ig

Featured Product

5 Publications

Basic Information

Catalog Number:

67715-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG30437

GenBank Accession Number:

BC020066

GeneID (NCBI):

10015

UNIPROT ID:

Q8WUM4

Full Name:

programmed cell death 6 interacting protein

Calculated MW:

868 aa, 96 kDa

Observed MW:

100 kDa

Purification Method:

Protein A purification

CloneNo.:

1H9D9

Recommended Dilutions:

WB 1:2000-1:20000

IF 1:200-1:800

Applications

Tested Applications:

IF/ICC, WB, ELISA

Cited Applications:

WB

Species Specificity:

Human, Mouse, Rat

Cited Species:

human, mouse

Positive Controls:

WB : HSC-T6 cells, A431 cells, HEK-293 cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, PC-12 cells, NIH/3T3 cells, 4T1 cells

IF : HeLa cells,

Background Information

ALG-2-interacting protein 1 (ALIX), also known as AIP1 or Hp95, is encoded by PDCD6IP gene and is involved in cell death through mechanisms involving its binding partner ALG-2 (apoptosis-linked gene-2). ALG-2 is a 22-kDa protein containing five serially repetitive EF-hand structures and is defined as a regulator of calcium-induced apoptosis following endoplasmic reticulum (ER) stress. ALIX interacts with ALG-2 through its C-terminal proline-rich region and participates in formation of multivesicular bodies. Recent finding suggest that ALIX is a critical component of caspase 9 activation and apoptosis triggered by calcium.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhaoyi Liang	36210461	Cell Mol Biol Lett	WB
Qiqi Zhang	38445959	ACS Biomater Sci Eng	WB
Zhiang Liu	37855326	J Microsc	WB

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

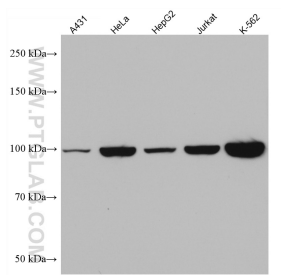
For technical support and original validation data for this product please contact:

T: 4006900926

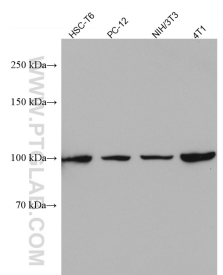
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

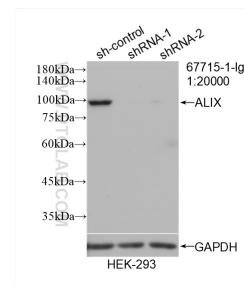
Selected Validation Data



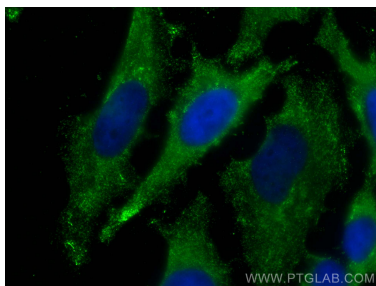
Various lysates were subjected to SDS PAGE followed by western blot with 67715-1-Ig (Alix antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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WB result of Alix antibody (67715-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Alix transfected HEK-293 cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Alix antibody (67715-1-Ig, Clone: 1H9D9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).