

For Research Use Only

Alix Monoclonal antibody

Catalog Number: 67715-1-Ig

Featured Product

12 Publications



Basic Information

Catalog Number:

67715-1-Ig

Size:

1000 ug/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

IHC 1:4000-1:16000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, monkey

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 : 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

IHC : human stomach cancer tissue,

IF/ICC : 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
Ying Ma	39235072	J Extracell Vesicles	WB
Yuling Chen	39114150	Nanoscale Adv	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:

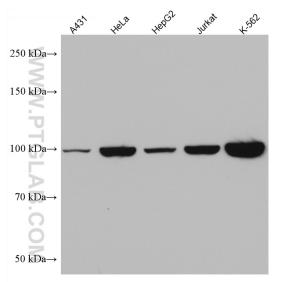
T: 4006900926

E: Proteintech-CN@ptglab.com

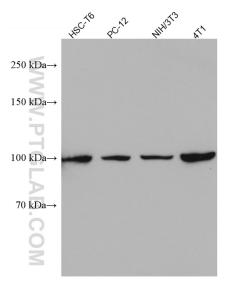
W: ptgcn.com

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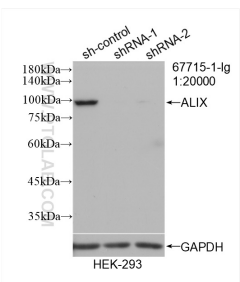
Selected Validation Data



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.



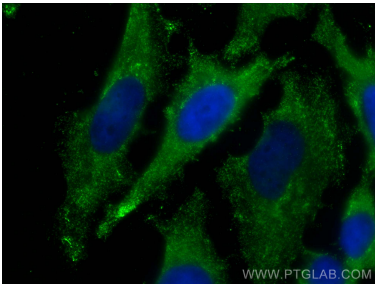
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WB result of Alix antibody (67715-1-Ig: 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Alix transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 67715-1-Ig (Alix antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).