

For Research Use Only

# Alix Polyclonal antibody

Catalog Number: 12422-1-AP

Featured Product

168 Publications



## Basic Information

**Catalog Number:**

12422-1-AP

**Size:**

800 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3074

**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:**

96 kDa, 75-80 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:5000-1:50000

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

IHC 1:50-1:500

IF 1:200-1:800

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB, IP, IHC, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse, monkey

**Positive Controls:**

**WB:** HEK-293 cells, human urine exosomes tissue, Jurkat cells, mouse liver tissue, rat liver tissue, NIH/3T3 cells, HeLa cells

**IP:** Jurkat cells,

**IHC:** human liver cancer tissue,

**IF:** HeLa 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

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. The alix antibody recognizes an additional band of 75-80 kDa which has also been observed in cells and exosomes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Christopher R Silvers	34564696	Br J Cancer	WB
Denghui Wei	32958903	Cell Res	WB
Xue Zou	33002418	Mol Ther	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:

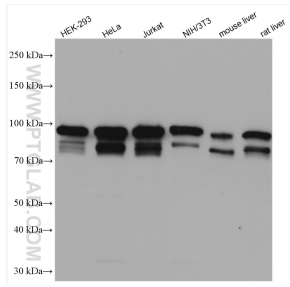
T: 4006900926

E: Proteintech-CN@ptglab.com

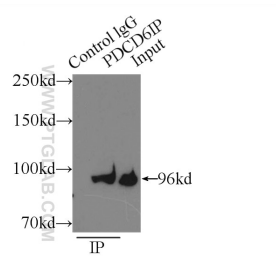
W: ptgcn.com

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

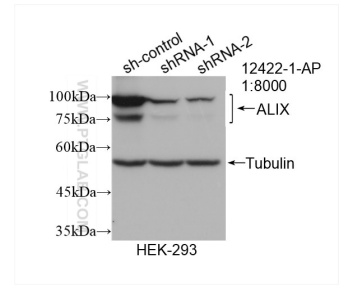
## Selected Validation Data



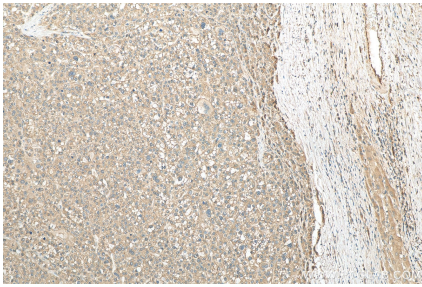
Various lysates were subjected to SDS PAGE followed by western blot with 12422-1-AP (Alix antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



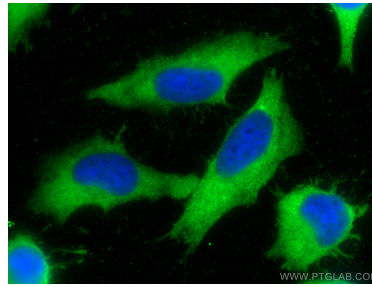
IP result of anti-Alix (IP:12422-1-AP, 3ug; Detection:12422-1-AP 1:500) with Jurkat cells lysate 4000ug.



WB result of Alix antibody (12422-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Alix transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12422-1-AP (Alix antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Alix antibody (12422-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).