

For Research Use Only

# CoraLite® Plus 488-conjugated Alix Polyclonal antibody

Catalog Number: CL488-12422

Featured Product



## Basic Information

### Catalog Number:

CL488-12422

### Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

### 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:

IF/ICC 1:50-1:500

### Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

### Tested Applications:

IF/ICC, FC (Intra)

### Species Specificity:

human, mouse, rat

### Positive Controls:

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

## Storage

### Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

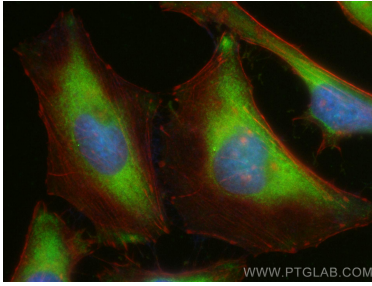
For technical support and original validation data for this product please contact:

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

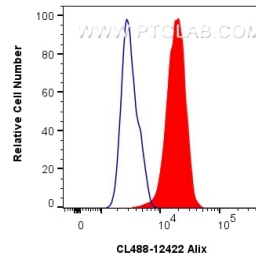
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 Alix antibody (CL488-12422) at dilution of 1:200.



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.8  $\mu$ g CoraLite® Plus 488 Anti-Human Alix (CL488-12422) (red), or 0.8  $\mu$ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).