Product datasheet

Anti-Alix/PDCD6IP Antibody

Catalog Number: *PB0799*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-Alix/PDCD6IP Antibody
Gene Name	PDCD6IP
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, IF, ICC/IF, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human ALIX recombinant protein (Position: A2-D330). Human ALIX shares 96.7% and 95.2% amino acid (aa) sequence identity with mouse and rat ALIX, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	96 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunofluorescence (IF): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Programmed cell death 6-interacting protein is a protein that in humans is encoded by the PDCD6IP gene. This gene encodes a protein that functions within the ESCRT pathway in the abscission stage of cytokinesis, in intralumenal endosomal vesicle formation, and in enveloped virus budding. Studies using mouse cells have shown that overexpression of this protein can block apoptosis. In addition, the product of this gene binds to the product of the PDCD6 gene, a protein required for apoptosis, in a calcium-dependent manner. This gene product also binds to endophilins, proteins that regulate membrane shape during endocytosis. Overexpression of this gene product and endophilins results in cytoplasmic vacuolization, which may be partly responsible for the protection against cell death. Several alternatively spliced transcript variants encoding different isoforms

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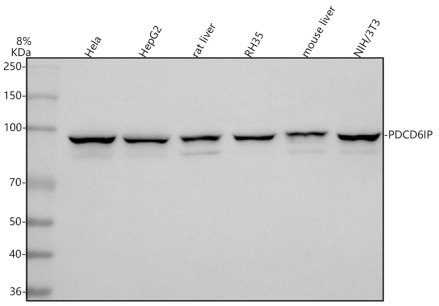
have been found for this gene.

Reference

Anti-Alix/PDCD6IP Antibody被引用在4文献中。

Selected Validation Data



Western blot analysis of Alix/PDCD6IP using anti-Alix/PDCD6IP antibody (PB0799). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human HepG2 whole cell lysates,
Lane 3: rat liver tissue lysates,
Lane 4: rat RH35 whole cell lysates,
Lane 5: mouse liver tissue lysates,
Lane 6: mouse NIH/3T3 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Alix/PDCD6IP antigA03957-Aen affinity purified polyclonal antibody (PB0799) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Alix/PDCD6IP at approximately 96 kDa. The expected band size for Alix/PDCD6IP is at 96 kDa.

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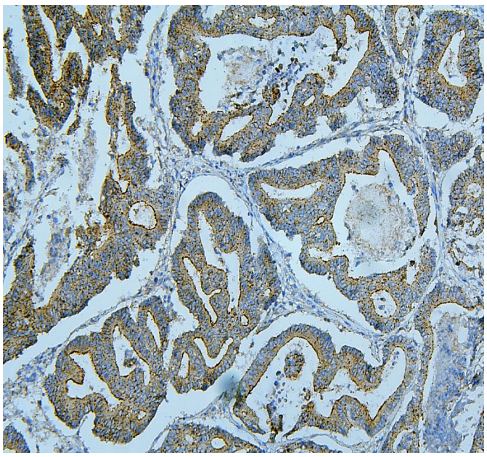
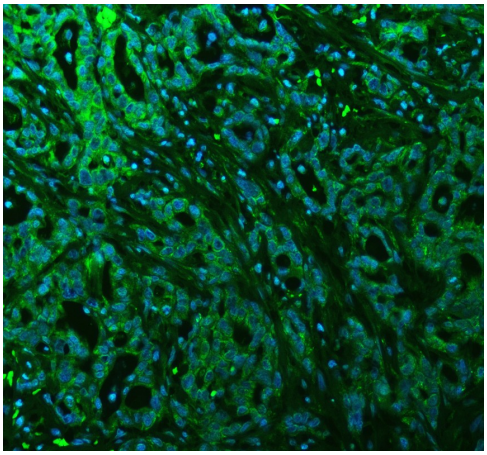
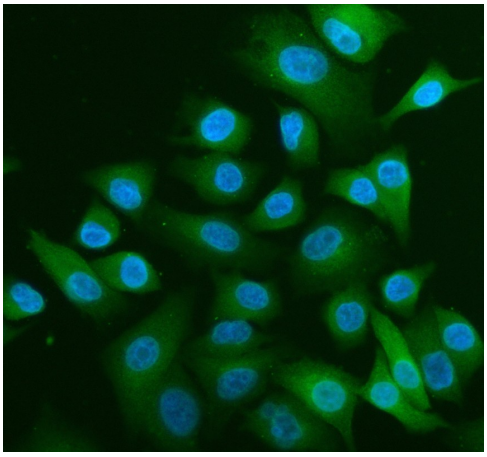


IHC analysis of Alix/PDCD6IP using anti-Alix/PDCD6IP antibody (PB0799). Alix/PDCD6IP was detected in a paraffin-embedded section of human intestinal cancer tissue. The tissue section was incubated with rabbit anti-Alix/PDCD6IP Antibody (PB0799) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.



IF analysis of Alix/PDCD6IP using anti-Alix/PDCD6IP antibody (PB0799). Alix/PDCD6IP was detected in a paraffin-embedded section of human pancreatic cancer tissue. The tissue section was incubated with rabbit anti-Alix/PDCD6IP Antibody (PB0799) at a dilution of 1:100. Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green)(Catalog#BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



IF analysis of Alix/PDCD6IP using anti-Alix/PDCD6IP antibody (PB0799). Alix/PDCD6IP was detected in an immunocytochemical section of A549 cells. The section was incubated with rabbit anti-Alix/PDCD6IP Antibody (PB0799) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).

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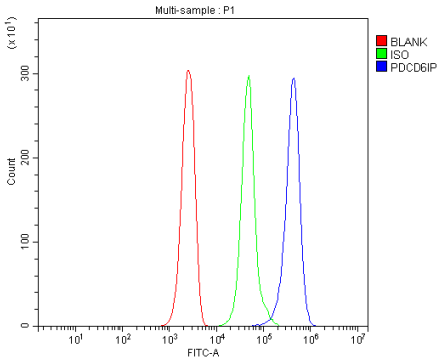

Flow Cytometry analysis of Jurkat cells using anti-Alix/PDCD6IP antibody (PB0799).
Overlay histogram showing Jurkat cells stained with PB0799 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Alix/PDCD6IP Antibody (PB0799) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.