Product datasheet

Anti-Alix/PDCD6IP Antibody (Clone#14D10)

Catalog Number: *M01751-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.
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Basic Information

Product Name	Anti-Alix/PDCD6IP Antibody (Clone#14D10)
Gene Name	PDCD6IP
Source	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, 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 PDCD6IP recombinant protein (Position: A2-D330). Human PDCD6IP shares 96.7% and 95.2% amino acid (aa) sequence identity with mouse and rat PDCD6IP, respectively.
Concentration	500 ug/ml
Purification	protein G purified.
Observed MW	96 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 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 have been found for this gene.

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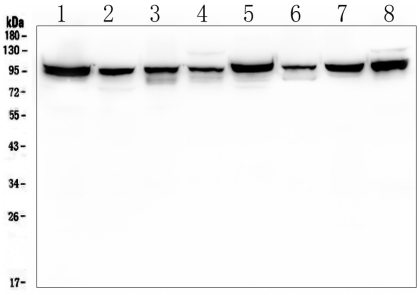
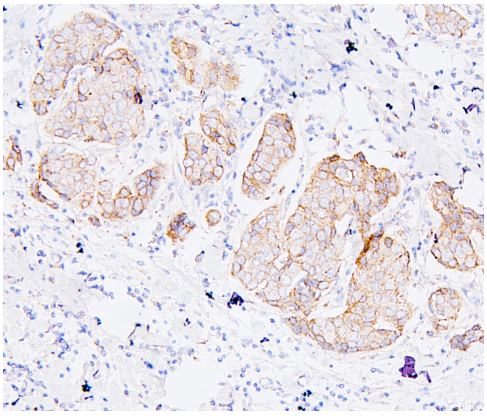
Reference

Anti-Alix/PDCD6IP Antibody (Clone#14D10)被引用在1文献中。

Selected Validation Data



Western blot analysis of Alix/PDCD6IP using anti-Alix/PDCD6IP antibody (M01751-1). 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: human Jurkat whole cell lysates,
Lane 4: human PANC-1 whole cell lysates,
Lane 5: human K562 whole cell lysates,
Lane 6: human SW579 whole cell lysates,
Lane 7: rat RH35 whole cell lysates,
Lane 8: mouse NIH/3T3 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-Alix/PDCD6IP antigen affinity purified monoclonal antibody (M01751-1) at a dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). 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.



IHC analysis of Alix/PDCD6IP using anti-Alix/PDCD6IP antibody (M01751-1). Alix/PDCD6IP was detected in a paraffin-embedded section of human mammary cancer tissue. Biotinylated goat anti-mouse IgG was used as secondary antibody. The tissue section was incubated with mouse anti-Alix/PDCD6IP Antibody (M01751-1) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB (Catalog # AR1027) as the chromogen.

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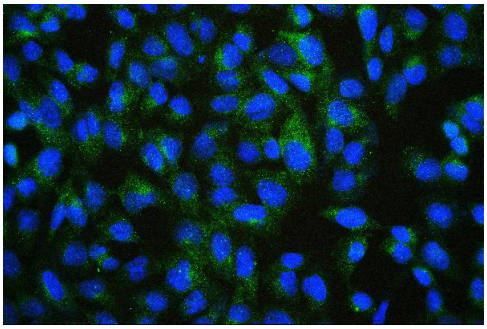
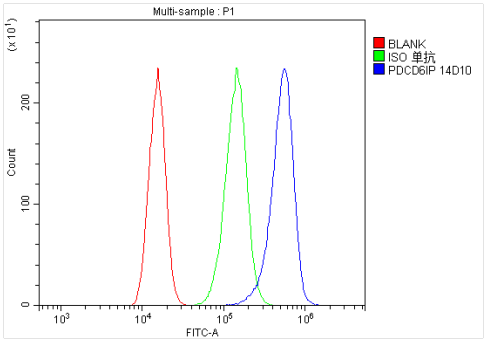


IF analysis of PDCD6IP using anti- PDCD6IP antibody (M01751-1). PDCD6IP was detected in immunocytochemical section of U20S cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 2µg/mL mouse anti- PDCD6IP Antibody (M01751-1) overnight at 4°C. DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



Flow Cytometry analysis of A431 cells using anti-Alix/PDCD6IP antibody (M01751-1).
Overlay histogram showing A431 cells stained with M01751-1 (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 mouse anti-Alix/PDCD6IP Antibody (M01751-1) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-mouse IgG (BA1126) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was mouse 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.