

Basic Information

Product Name	Anti-Alix/PDCD6IP Antibody (Clone#AEBO-16)
Gene Name	PDCD6IP
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, FCM
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human ALIX Class E VPS protein involved in concentration and sorting of cargo proteins of the multivesicular body (MVB) for incorporation into intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome.
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	96 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Flow Cytometry (FCM):1:100

Storage

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

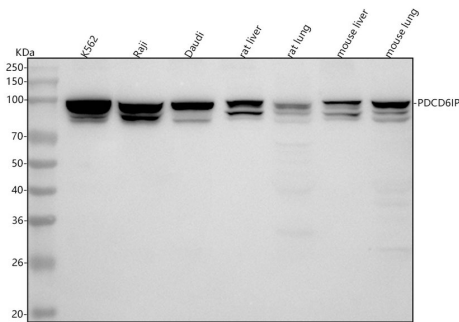
Background Information

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 intraluminal 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.

Reference

Anti-Alix/PDCD6IP Antibody (Clone#AEBO-16)被引用在1文献中。

Selected Validation Data



Western blot analysis of anti-Alix/PDCD6IP antibody (BM5496). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human K562 whole cell lysates,

Lane 2: human Raji whole cell lysates,

Lane 3: human Daudi whole cell lysates,

Lane 4: rat liver tissue lysates,

Lane 5: rat lung tissue lysates,

Lane 6: mouse liver tissue lysates,

Lane 7: mouse lung tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Alix/PDCD6IP antigen affinity purified monoclonal antibody (BM5496) 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.