Product Name: **KD-Validated PDCD6IP Recombinant Rabbit Monoclonal Antibody**
Catalog #: **KVAb01392**
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 96.0kDa

Antigen Information

Gene Name	PDCD6IP
Alternative Names	PDCD6IP; Programmed Cell Death 6 Interacting Protein; AIP1; Hp95; Programmed Cell Death 6-Interacting Protein; Alix; ALG-2 Interacting Protein X; PDCD6-Interacting Protein; Apoptosis-Linked Gene 2-Interacting Protein X; Dopamine Receptor Interacting Protein 4; ALG-2 Interacting Protein X; ALG-2 Interacting Protein 1; ALG-2-Interacting Protein 1; KIAA1375; MCPH29; DRIP4; ALIX
Gene ID	10015.0
SwissProt ID	Q8WUM4
Immunogen	A synthesized peptide derived from human ALIX

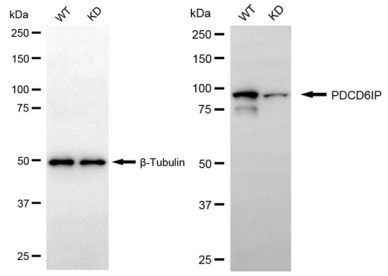
Background

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. Related pseudogenes have been identified on chromosome 15. [provided by RefSeq, Jan 2012]

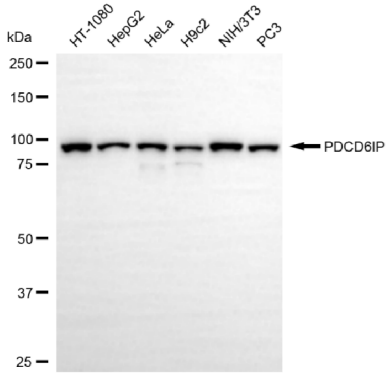
Research Area

Cell Biology,Microbiology,Signal Transduction

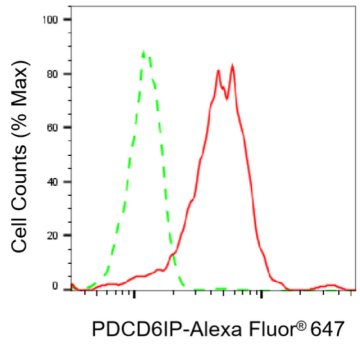
Image Data



Western blotting analysis using PDCD6IP antibody (KVAb01392). PDCD6IP expression in wild-type (WT) and PDCD6IP knockdown (KD) 293T cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with PDCD6IP antibody (KVAb01392, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using PDCD6IP antibody (KVAb01392). Total cell lysates (20 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PDCD6IP antibody (KVAb01392, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of PDCD6IP expression in HepG2 cells using PDCD6IP antibody (KVAb01392, 1:2,000). Green, isotype control; red, PDCD6IP.