Datasheet for ABIN7600490

anti-ALIX antibody (AA 2-330)

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Overview

Quantity:	100 µg
Target:	ALIX (PDCD6IP)
Binding Specificity:	AA 2-330
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ALIX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ALIX/PDCD6IP Antibody Picoband®(monoclonal, 14D10)
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.
Clone:	14D10
Isotype:	IgG2b
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ALIX/PDCD6IP Antibody Picoband® (monoclonal, 14D10) (ABIN7600490). Tested in Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high

Product Details

	affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ALIX (PDCD6IP)
Alternative Name:	PDCD6IP (PDCD6IP Products)
Background:	Synonyms: Programmed cell death 6-interacting protein, PDCD6-interacting protein, ALG-2-interacting protein 1, ALG-2-interacting protein X, Hp95, PDCD6IP, AIP1, ALIX, KIAA1375 Tissue Specificity: Heart, but also skeletal muscle, kidney, brain and mammary gland. Background: 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.
Molecular Weight:	96-100 kDa
Gene ID:	10015
Pathways:	p53 Signaling, EGFR Signaling Pathway, Sensory Perception of Sound, Cellular Response to Molecule of Bacterial Origin, Tube Formation

Application Details

Application Notes:	"Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6, Human "1. "Entrez Gene: PDCD6IP programmed cell death 6 interacting protein". 2. Vito P, Pellegrini L, Guiet C, D'Adamio L (Feb 1999). "Cloning of AIP1, a novel protein that associates with the apoptosis-linked gene ALG-2 in a Ca2+-dependent reaction". J Biol Chem 274 (3): 1533-40.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.