

Datasheet for ABIN5514748
anti-ALIX antibody (C-Term)



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Overview

Quantity:	100 µL
Target:	ALIX (PDCD6IP)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALIX antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human PDC6I
Sequence:	QMPMPMGYNP YAYGQYNMPY PPVYHQSPGQ APYPGPQQPS YFPQPPQQS
Characteristics:	This is a rabbit polyclonal antibody against PDC6I. It was validated on Western Blot.
Purification:	Affinity purified

Target Details

Target:	ALIX (PDCD6IP)
Alternative Name:	PDC6I (PDCD6IP Products)
Background:	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.

Target Details

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.

Alias Symbols: PDCD6IP, AIP1, ALIX, KIAA1375,

Protein Interaction Partner: UBI4, CEP55, UBC, SUMO2, nef, EZH2, IPO9, UBA6, MCTS1, AHCYL1, EZR, UBA1, MAPK1, CHMP4B, gag, UBD, BAG3, RNF11, KEAP1, VCAM1, SH3GL1, CHMP4C, TNIP2, ITGA4, CXCR1, GRB2, HOXA1, PEF1, VPS4B, ABCC1, GPI, PDCD6, F2R, CUL3, ALG2, PTK2B, TUBB, SIRT7, SH3KBP1, C

Protein Size: 868

Gene ID:	10015
NCBI Accession:	NP_037506
UniProt:	Q8WUM4
Pathways:	p53 Signaling , EGFR Signaling Pathway , Sensory Perception of Sound , Cellular Response to Molecule of Bacterial Origin , Tube Formation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.