Datasheet for ABIN1881644

anti-ALIX antibody (AA 541-570)

1 Image | 4 Publications

Go to Product page

Overview

Quantity:	400 µL
Target:	ALIX (PDCD6IP)
Binding Specificity:	AA 541-570
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALIX antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This PDCD6IP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 541-570 amino acids from the Central region of human PDCD6IP.
Clone:	RB41924
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ALIX (PDCD6IP)
Alternative Name:	PDCD6IP (PDCD6IP Products)
Background:	This gene encodes a protein thought to participate in programmed cell death. Studies using

Target Details

	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. [provided by RefSeq].
Molecular Weight:	96023
NCBI Accession:	NP_001155901, 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:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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
Expiry Date:	6 months

Publications

Product cited in:	Inuzuka, Suzuki, Kawasaki, Shibata, Wakatsuki, Maki: "Molecular basis for defect in Alix-binding by alternatively spliced isoform of ALG-2 (ALG-2DeltaGF122) and structural roles of F122 in target recognition." in: **BMC structural biology**, Vol. 10, pp. 25, (2010) (PubMed).

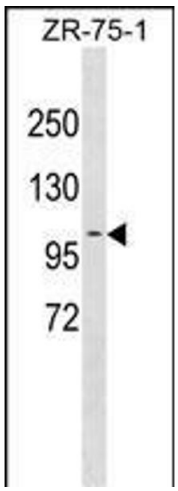
Publications

Shi, Opi, Lugari, Restouin, Coursindel, Parrot, Perez, Madore, Zimmermann, Corbeil, Huang, Arold, Collette, Morelli: "Identification and biophysical assessment of the molecular recognition mechanisms between the human haemopoietic cell kinase Src homology domain 3 and ALG-2-interacting protein X." in: **The Biochemical journal**, Vol. 431, Issue 1, pp. 93-102, (2010) (PubMed).

Irie, Inoue, Sakaguchi: "Significance of the YLDL motif in the M protein and Alix/AIP1 for Sendai virus budding in the context of virus infection." in: **Virology**, Vol. 405, Issue 2, pp. 334-41, (2010) (PubMed).

Sette, Jadwin, Dussupt, Bello, Bouamr: "The ESCRT-associated protein Alix recruits the ubiquitin ligase Nedd4-1 to facilitate HIV-1 release through the LYPXnL L domain motif." in: **Journal of virology**, Vol. 84, Issue 16, pp. 8181-92, (2010) (PubMed).

Images



Western Blotting

Image 1. PDCD6IP Antibody (Center) (ABIN1881644 and ABIN2838904) western blot analysis in ZR-75-1 cell line lysates (35 µg/lane).This demonstrates the PDCD6IP antibody detected the PDCD6IP protein (arrow).