Datasheet for ABIN968616

anti-ALIX antibody (AA 375-580)

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Overview

Quantity:	50 µg
Target:	ALIX (PDCD6IP)
Binding Specificity:	AA 375-580
Reactivity:	Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ALIX antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Mouse AIP1 aa. 375-580
Clone:	49-AIP1
Isotype:	IgG1
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	ALIX (PDCD6IP)
Alternative Name:	AIP1 (PDCD6IP Products)
Background:	Apoptosis is a selective process of genetically programmed cell death which occurs during normal cell differentiation and development of multicellular organisms. In vertebrates, T cell and neuronal development are probably the best characterized systems for the study of apoptosis. ALG-2 and ALG-3 (apoptosis-linked genes 2 and 3) were identified as low molecular weight Ca2+-binding proteins essential for apoptosis through the activation of the Fas receptor in T cells. ALG-2 Interacting Protein 1 (AIP1/Alix) is a ubiquitous protein that associates with ALG-2 in the cytosol in a Ca2+ dependent manner. AIP1 is homologous to the yeast protein, BRO1, which has been implicated in Pkc1p- AP kinase signaling. A truncated form of AIP1 protects against serum starvation-, etoposide-, and staurosporine-induced cell death. In addition, the C-terminal proline rich region of AIP1 facilitates interaction with SH3 domain-containing protein expressed in tumorigenic astrocytes (SETA) and this interaction may be important for mediating DNA damage-dependent apoptosis in astrocytes. Thus, AIP1 interacts with ALG-2 or SETA, or both, during activation of cell death pathways in a variety of cell types. Synonyms: ALG-2 Interacting Protein 1, Alix
Molecular Weight:	105 kDa
Pathways:	p53 Signaling, EGFR Signaling Pathway, Sensory Perception of Sound, Cellular Response to Molecule of Bacterial Origin, Tube Formation

Application Details

Comment:	Related Products: ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % 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.

Handling

Storage:	-20 °C
Storage Comment:	Store undiluted at -20°C.

Publications

Product cited in:

Chen, Borinstein, Gillis, Sykes, Bogler: "The glioma-associated protein SETA interacts with AIP1/Alix and ALG-2 and modulates apoptosis in astrocytes." in: **The Journal of biological chemistry**, Vol. 275, Issue 25, pp. 19275-81, (2000) (PubMed).

Vito, Pellegrini, Guiet, DAdamio: "Cloning of AIP1, a novel protein that associates with the apoptosis-linked gene ALG-2 in a Ca2+-dependent reaction." in: **The Journal of biological chemistry**, Vol. 274, Issue 3, pp. 1533-40, (1999) (PubMed).

Images

Western Blotting

Image 1. Western blot analysis of AIP1 on a rat testis lysate. Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution of the mouse anti-AIP1 antibody.