

Datasheet for ABIN968617  
**anti-ALIX antibody (AA 375-580)**[Go to Product page](#)

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## Overview

Quantity:	150 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:	<ol style="list-style-type: none"><li>1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.</li><li>2. Please refer to us for technical protocols.</li><li>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.</li><li>4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.</li></ol>
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

## Target Details

Target:	ALIX (PDCD6IP)
Alternative Name:	AIP1 ( <a href="#">PDCD6IP Products</a> )
Background:	<p>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 Ca<sup>2+</sup>-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 Ca<sup>2+</sup> 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.</p> <p>Synonyms: ALG-2 Interacting Protein 1, Alix</p>
Molecular Weight:	105 kDa
Pathways:	<a href="#">p53 Signaling</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Tube Formation</a>

## 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: <b>The Journal of biological chemistry</b> , Vol. 275, Issue 25, pp. 19275-81, (2000) ( <a href="#">PubMed</a> ).
	Vito, Pellegrini, Guiet, DAdamio: "Cloning of AIP1, a novel protein that associates with the apoptosis-linked gene ALG-2 in a Ca <sup>2+</sup> -dependent reaction." in: <b>The Journal of biological chemistry</b> , Vol. 274, Issue 3, pp. 1533-40, (1999) ( <a href="#">PubMed</a> ).

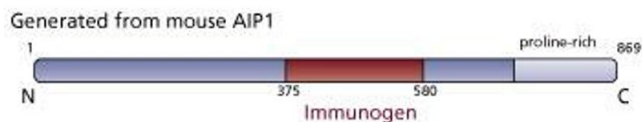
## Images

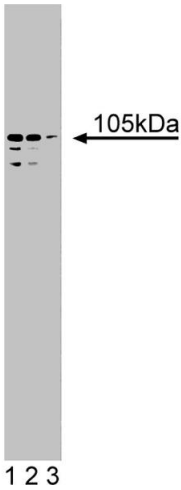


### Western Blotting

**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.

### Image 2.





Western Blotting

Image 3.