

Datasheet: VMA00273KT

Description:	ALIX ANTIBODY WITH CONTROL LYSATE
Specificity:	ALIX
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI1A4
Isotype:	IgG2a
Quantity:	2 Westerns

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	20µl Mouse monoclonal antibody purified by affinity chromatography from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length recombinant human ALIX (NP_037506) produced in HEK293T cells
External Database Links	UniProt:

Entrez Gene:

[10015](#) PDCD6IP [Related reagents](#)

Synonyms AIP1, ALIX, KIAA1375

Specificity **Mouse anti Human ALIX antibody** recognizes the programmed cell death 6-interacting protein, also known as ALG-2 interacting protein 1, ALG-2-interacting protein X, PDCD6-interacting protein, apoptosis-linked gene 2-interacting protein X, dopamine receptor interacting protein 4 and programmed cell death 6-interacting protein.

The PDCD6IP (ALIX) 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. Studies using mouse cells have shown that overexpression of this protein can block apoptosis. In addition, the product of PDCD6IP binds to the product of the PDCD6 gene, a protein required for apoptosis, in a calcium-dependent manner. PDCD6IP product also binds to endophilins, proteins that regulate membrane shape during endocytosis. Overexpression of PDCD6IP 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 PDCD6IP. Related pseudogenes have been identified on chromosome 15 (provided by RefSeq, Jan 2012).

Mouse anti Human ALIX antibody detects a band of 96 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti ALIX detects a band of approximately 96 kDa in K562 cell lysates

Instructions For Use Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

Lysate Composition 400µg K562 lysate lyophilized in RIPA buffer.

Lysate Reconstitution - If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.
- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.
Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

Storage Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

Guarantee As supplied, 12 months from date of despatch.

Acknowledgements PrecisionAb™ is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10048 #10561 available at:
Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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