

Datasheet: MCA2493

BATCH NUMBER 151147

Description:	MOUSE ANTI ALIX
Specificity:	ALIX
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	3A9
Isotype:	IgG1
Quantity:	0.1 mg

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
ELISA	▪			
Immunoprecipitation	▪			
Western Blotting	▪			
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Species Cross Reactivity

Reacts with: Human, Xenopus, Rat, Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Alix-GST fusion protein.
External Database Links	<p>UniProt: Q8WUM4 Related reagents</p> <p>Entrez Gene: 10015 PDCD6IP Related reagents</p>
Synonyms	AIP1, ALIX, KIAA1375
RRID	AB_872031
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the SP2/0 murine myeloma.
Specificity	<p>Mouse anti ALIX antibody, clone 3A9 recognizes the apoptosis-linked gene-2 interacting protein X (ALIX), also known as Programmed cell death 6-interacting protein or Hp95. ALIX is a 868 amino acid ~90kDa cytoplasmic protein containing a single BRO1 domain implicated in endosomal targeting (Kim et al. 2005).</p> <p>ALIX was first reported to play a role in apoptosis dependent on its association with PDCD6 (Mahul-Mellier et al. 2006) but has subsequently shown to be involved in endocytosis (Matsuo et al. 2004), viral budding (Irie et al. 2008) and actin cytoskeletal assembly (Pan et al. 2006).</p> <p>Mouse anti Alix, clone 3A9 has been used extensively for the detection of ALIX by Western blotting (Sun et al. 2016) and for the identification of an ALIX homologue in the sea urchin <i>Paracentrotus lividus</i> (Romancino et al. 2013).</p>
Immunohistology	This product does not require protein digestion pre-treatment of paraffin sections.
References	<ol style="list-style-type: none"> Pan, S. et al. (2008) Extracellular Alix regulates integrin-mediated cell adhesions and extracellular matrix assembly. EMBO J. 27: 2077-90. Dangaj, D. et al. (2011) Mannose Receptor (MR) Engagement by Mesothelin GPI Anchor Polarizes Tumor-Associated Macrophages and Is Blocked by Anti-MR Human Recombinant Antibody. PLoS One. 6: e28386. Liu, W. et al. (2012) Galectin-3 regulates intracellular trafficking of EGFR through Alix and promotes keratinocyte migration. J Invest Dermatol. 132 (12): 2828-37.

4. Zhou, X. *et al.* (2008) The HIV-1 p6/EIAV p9 docking site in Alix is autoinhibited as revealed by a conformation-sensitive anti-Alix monoclonal antibody. [Biochem J. 414: 215-20.](#)
5. Pusic, A.D. & Kraig, R.P. (2014) Youth and environmental enrichment generate serum exosomes containing miR-219 that promote CNS myelination. [Glia. 62 \(2\): 284-99.](#)
6. Chen, H.Y. *et al.* (2009) Galectin-3 negatively regulates TCR-mediated CD4+ T-cell activation at the immunological synapse. [Proc Natl Acad Sci U S A. 106 \(34\): 14496-501.](#)
7. Pusic AD *et al.* (2014) IFN γ -stimulated dendritic cell exosomes as a potential therapeutic for remyelination. [J Neuroimmunol. 266 \(1-2\): 12-23.](#)
8. Pusic, A.D. & Kraig, R.P. (2015) Phasic Treatment with Interferon Gamma Stimulates Release of Exosomes that Protect Against Spreading Depression. [J Interferon Cytokine Res. 35 \(10\): 795-807.](#)
9. Sun, S. *et al.* (2016) Phosphorylation-Dependent Activation of the ESCRT Function of ALIX in Cytokinetic Abscission and Retroviral Budding. [Dev Cell. 36 \(3\): 331-43.](#)
10. Sun, S. *et al.* (2015) ALG-2 activates the MVB sorting function of ALIX through relieving its intramolecular interaction. [Cell Discov. 1: 15018.](#)
11. Feng, Z. *et al.* (2007) Alternative polyadenylation produces two major transcripts of Alix. [Arch Biochem Biophys. 465 \(2\): 328-35.](#)

Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2493 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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