

Datasheet: MCA2493

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"> Feng, Z. <i>et al.</i> (2007) Alternative polyadenylation produces two major transcripts of Alix. Arch Biochem Biophys. 465 (2): 328-35. Pan, S. <i>et al.</i> (2008) Extracellular Alix regulates integrin-mediated cell adhesions and extracellular matrix assembly. EMBO J. 27: 2077-90. Zhou, X. <i>et al.</i> (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. Chen, H.Y. <i>et al.</i> (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.

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11. 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.](#)
12. Cianciaruso, C. *et al.* (2019) Molecular Profiling and Functional Analysis of Macrophage-Derived Tumor Extracellular Vesicles. [Cell Rep. 27 \(10\): 3062-3080.e11.](#)
13. Pusic, K.M. *et al.* (2019) IFN γ -Stimulated Dendritic Cell Exosomes for Treatment of Migraine Modeled Using Spreading Depression. [Front Neurosci. 13: 942.](#)
14. Karbanová, J. *et al.* (2024) Extracellular lipidosomes containing lipid droplets and mitochondria are released during melanoma cell division. [Cell Commun Signal. 22 \(1\): 57.](#)

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M383808:210513'

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