

Datasheet: VMA00926

BATCH NUMBER 100005647

Description:	MOUSE ANTI PRKRA
Specificity:	PRKRA
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB01/1C8
Isotype:	IgG2b
Quantity:	100 µl

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
Immunoprecipitation	▪			
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. 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 dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

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

Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-313 of human PRKRA
External Database Links	<p>UniProt: O75569 Related reagents</p> <p>Entrez Gene: 8575 PRKRA Related reagents</p>
Synonyms	PACT, RAX
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	<p>Mouse anti PRKRA antibody recognizes interferon-inducible double-stranded RNA-dependent protein kinase activator A, also known as PACT and RAX.</p> <p>PRKRA is a double-stranded RNA binding protein that plays a role in the innate immune response to viral infection (Iwamura et al. 2001). In the host-influenza A interaction, the antiviral activity of PRKRA comes from its ability to inhibit viral polymerase (Chan et al. 2018). A specific mutation in PRKRA is a risk factor for dystonia (Camargos et al. 2008). PRKRA activates PKR (Patel and Sen 1998), and PKR modulation has been suggested as an antitumor strategy due to its effects on apoptosis and proliferation (Xu et al. 2012).</p>
Western Blotting	Mouse anti PRKRA detects a band of approximately 32 kDa in Jurkat cell lysates
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00926 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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