

Datasheet: VMA00926

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

0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 1-313 of human PRKRA

External Database Links

UniProt:

[O75569](#) [Related reagents](#)

Entrez Gene:

[8575](#) PRKRA [Related reagents](#)

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 **Mouse anti PRKRA antibody** recognizes interferon-inducible double-stranded RNA-dependent protein kinase activator A, also known as PACT and RAX.

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](#)).

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: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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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

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