Datasheet: VMA00096

BATCH NUMBER 151106

Description:	MOUSE ANTI PLAKOPHILIN 1
Specificity:	PLAKOPHILIN 1 aa235-726
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Isotype:	IgG1
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
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
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)
Immunogen	Recombinant fusion protein fragment, consisting of amino acids 235-726 of human plakophilin 1, fused to maltose binding protein.
External Database Links	**UniProt:**

Q13835 Related reagents

Entrez Gene:

5317 PKP1 Related reagents

Specificity	**Mouse anti Human plakophilin 1** recognizes a member of the plakophilin family which have been identified as junctional proteins that are essential for the formation and stabilization of desmosomal cell contacts. Plakophilin 1 is a protein that in humans is encoded by the PKP1 gene, with a molecular weight of 75 kDa. This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. Plakophilin proteins contain numerous armadillo repeats, localize to cell desmosomes and nuclei, and participate in linking cadherins to intermediate filaments in the cytoskeleton. This protein may be involved in molecular recruitment and stabilization during desmosome formation and in the formation of desmosomal plaques where it is associated with desmoplakin. It is not found in cell types that have non-epithelial desmosomes and is absent in fibroblasts and other connective tissue types, including sarcomas. Mutations in this gene have been associated with the ectodermal dysplasia/skin fragility syndrome. Mouse anti Human plakophilin 1 antibodu has been found to be specific for the armadillo repeat domain of plakophilin 1. This antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti plakophilin 1 antibody detects a band at 75 kDa in A431 cell lysates
Storage	Store at -20^{o}C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted.
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/VMA00096 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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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