

Datasheet: VMA00418

Description:	MOUSE ANTI APOBEC3G
Specificity:	APOBEC3G
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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	<i>E.coli</i> -derived recombinant protein corresponding to aa 60-330 of human APOBEC3G
External Database Links	UniProt: Q9HC16 Related reagents Entrez Gene: 60489 APOBEC3G Related reagents
Specificity	Mouse anti Human APOBEC3G antibody recognizes APOBEC3G, also known as APOBEC-related cytidine deaminase, apolipoprotein B mRNA-editing enzyme catalytic polypeptide 3G, deoxycytidine deaminase and phorbol-like protein MDS019.

The APOBEC3G gene is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22. Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. It is thought that the proteins may be RNA editing enzymes and have roles in growth or cell cycle control. The protein encoded by APOBEC3G has been found to be a specific inhibitor of human immunodeficiency virus-1 (HIV-1) infectivity (provided by RefSeq, Jul 2008).

Mouse anti Human APOBEC3G antibody detects a band of 46 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti APOBEC3G detects a band of approximately 46 kDa in HEK293 cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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 IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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