Datasheet: AHP1329

BATCH NUMBER 161005

Description:	RABBIT ANTI MOUSE MDM2
Specificity:	MDM2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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	▪			1/3000 - 1/12000
Immunoprecipitation			▪	
Western Blotting	▪			1/500 - 1/2000
Functional Assays			▪	

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.

Target Species

Mouse

Product Form

Purified IgG - liquid

Antiserum Preparation

Antisera to Mdm2 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)

Approx. Protein

IgG concentration 0.5mg/ml

Concentrations	
Immunogen	Synthetic peptide corresponding to aa 177-195 of mouse Mdm2.
External Database Links	**UniProt:** P23804 Related reagents **Entrez Gene:** 17246 Mdm2 Related reagents
RRID	AB_2143667
Specificity	**Rabbit anti Mouse Mdm2 antibody** detects murine Mdm2, a nuclear phosphoprotein that controls intracellular levels of the tumour suppressor protein p53 by ubiquitination and subsequent proteasomal degradation. Mdm2 also interacts with the retinoblastoma (RB) protein and E2F-1, to promote G1-S phase transition in the cell cycle. Mdm2 activity is controlled by self-ubiquitination; however activation of the PI3K/PKB pathway leads to phosphorylation of Mdm2 at Ser185, which stabilises the protein.
Western Blotting	AHP1329 detects a band of approximately 90kDa in mouse MEF cell lysates.
References	1. Sdek, P. *et al.* (2004) The central acidic domain of MDM2 is critical in inhibition of retinoblastoma-mediated suppression of E2F and cell growth. J Biol Chem. 279 (51): 53317-22. 2. Feng, J. *et al.* (2004) Stabilization of Mdm2 via decreased ubiquitination is mediated by protein kinase B/Akt-dependent phosphorylation. J Biol Chem. 279 (34): 35510-7.
Storage	Store at +4^{o}C or at -20^{o}C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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/AHP1329 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP

Sheep Anti Rabbit IgG (STAR35...) RPE

Goat Anti Rabbit IgG (Fc) (STAR121...) Biotin, FITC, HRP

Recommended Useful Reagents

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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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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