

Datasheet: VMA00353

BATCH NUMBER 160415

Description:	MOUSE ANTI CALPAIN-1
Specificity:	CALPAIN-1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	1376CT809.24.85
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
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
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)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml

Immunogen	KLH conjugated synthetic peptide between amino acids from the human region of human calpain-1
External Database Links	<p>UniProt: P07384 Related reagents</p> <p>Entrez Gene: 823 CAPN1 Related reagents</p>
Synonyms	CANPL1
Specificity	<p>Mouse anti Human calpain-1 antibody recognizes calpain-1, also known as CAPN1, calcium-activated neutral proteinase 1, calpain mu-type, calpain, large polypeptide L1, calpain-1 large subunit, cell proliferation-inducing gene 30 protein, cell proliferation-inducing protein 30 and micromolar-calpain.</p> <p>The calpains, calcium-activated neutral proteases, are non-lysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. CAPN1 encodes the large subunit of the ubiquitous enzyme, calpain-1. Several transcript variants encoding two different isoforms have been found for CAPN1 (provided by RefSeq, Nov 2010).</p> <p>Mouse anti Human calpain-1 antibody detects a band of 80 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti calpain-1 detects a band of approximately 80 kDa in K562 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/VMA00353 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

North & South Tel: +1 800 265 7376

America 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

'M394073:220203'

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

Printed on 18 Jan 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)