

Datasheet: VMA00353

Description:	MOUSE ANTI CALPAIN-1
Specificity:	CALPAIN-1
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 G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	KLH conjugated synthetic peptide between amino acids from the human region of human calpain-1
External Database Links	UniProt: P07384 Related reagents

Entrez Gene:

[823](#) CAPN1 [Related reagents](#)

Synonyms

CANPL1

Specificity

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.

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).

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.

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:
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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