

Datasheet: VMA00404

Description:	MOUSE ANTI CREATINE PHOSPHOKINASE
Specificity:	CREATINE PHOSPHOKINASE
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
Species Cross Reactivity	Reacts with: Rat N.B. Antibody reactivity and working conditions may vary between species.
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 human creatine phosphokinase

External Database Links

UniProt:

[P12277](#) [Related reagents](#)

[P06732](#) [Related reagents](#)

Entrez Gene:

[1152](#) CKB [Related reagents](#)

Synonyms	CKBB, CKMM
Specificity	Mouse anti Human creatine phosphokinase antibody recognizes creatine phosphokinase which reversibly catalyzes the transfer of phosphate between ATP and creatine to produce creatine phosphate. In cells, the cytosolic creatine phosphokinase enzymes consist of two subunits, which can be either B (brain type) or M (muscle type). There are three different isoenzymes with homodimers or heterodimers of the M and B types: CKMM or CKBB and CKMB respectively. CKBB is found in the brain while CKMB occurs in heart tissue (provided by RefSeq, Jul 2008). Mouse anti Human creatine phosphokinase antibody detects a band of 42 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti creatine phosphokinase detects a band of approximately 42 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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