

Datasheet: VMA00807

BATCH NUMBER 100004552

Description:	MOUSE ANTI UNCONVENTIONAL MYOSIN 6
Specificity:	Unconventional Myosin 6
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	CD02/3A9
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	▪			1/500 - 1/2000

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 affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1042-1294 of human MYO6

**External Database
Links**

UniProt:

[Q9UM54](#) [Related reagents](#)

Entrez Gene:

[4646](#) MYO6 [Related reagents](#)

Synonyms

KIAA0389

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity

Mouse anti Unconventional Myosin 6 antibody recognizes unconventional myosin-6 (MYO6).

Unconventional Myosin 6 is an actin-based motor protein which moves cargo towards the minus end of actin filaments, in the opposite direction to every other myosin. Due to its unique function, and its role in a wide variety of cellular processes including endocytosis, polarized secretion, and autophagy ([Masters et al. 2017](#)). Unconventional Myosin 6 upregulation is a hallmark of various cancer types, is critical for maintaining malignant properties, and contributes to tumor cell migration and metastasis ([Lei et al. 2017](#)). The loss or overexpression of Unconventional Myosin 6 is also associated with neurodegenerative diseases, cardiomyopathy, deafness, and other pathologies ([de Jonge et al. 2019](#)).

Western Blotting

Mouse anti unconventional myosin 6 antibody detects a band of approximately 140 kDa in MCF-7 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/VMA00807>
Antibody (10040)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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
'M375080:201216'

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