

Datasheet: VMA00934

Description:	MOUSE ANTI EIF3G
Specificity:	EIF3G
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB05/3H10
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

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

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 1-320 of human EIF3G
External Database Links	<p>UniProt: O75821 Related reagents</p> <p>Entrez Gene: 8666 EIF3G Related reagents</p>
Synonyms	EIF3S4
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	<p>Mouse anti EIF3G antibody recognizes eukaryotic translation initiation factor 3 subunit G, also known as EIF3S4.</p> <p>EIF3G is a subunit of the mammalian EIF3 complex, and is involved with translation reinitiation and protein synthesis (Kim et al. 2013). Roles for EIF3G have been identified in the cytoskeletal network (Burnicka-Turek et al. 2010) and in caspase-mediated apoptosis (Kim et al. 2013). EIF3G appears to play roles in cancer development, and clues have included its nuclear distribution in breast cancer cells (Zheng et al. 2016) and overexpression in an adriamycin-resistant erythroleukemia cell line (Zhu et al. 2009). It has also been suggested that EIF3G could be a target for managing chemoresistance in patients with colorectal cancer (Yang et al. 2018). A single nucleotide polymorphism is associated with risk of narcolepsy (Holm et al. 2015).</p>
Western Blotting	Mouse anti EIF3G detects a band of approximately 42 kDa in HEK293 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/VMA00934 Antibody (10040)
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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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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