

Datasheet: VMA00857

BATCH NUMBER 64607220

Description:	MOUSE ANTI EIF5A
Specificity:	EIF5A
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB01/2G8
Isotype:	IgG2b
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
Flow Cytometry	▪			
Western Blotting	▪			1/1000
Immunofluorescence	▪			

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 1-154 of human EIF5A
External Database Links	<p>UniProt: P63241 Related reagents</p> <p>Entrez Gene: 1984 EIF5A Related reagents</p>
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 EIF5A antibody recognizes eukaryotic translation initiation factor 5A-1.</p> <p>EIF5A is an abundant, essential translation factor which functions in elongation and termination during protein synthesis (Schuller et al. 2018). EIF5A is involved in the cell cycle, apoptosis, and in viral replication, notably replication of HIV-1 (Mathews and Hershey 2015), and in autophagosome formation, mediating autophagy (Lubas et al. 2018). It is the only eukaryotic protein known to follow a rare but essential post-translational modification called hypusination (Pelechano and Alepuz 2017). EIF5A is a critical regulator of cell growth and development of tumors (Puleston et al. 2019). For example, EIF5A promotes metastasis in pancreatic cancer and mediates chemoresistance (Wang et al. 2019).</p>
Western Blotting	Mouse anti EIF5A antibody detects a band of approximately 17 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/VMA00857 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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