

Datasheet: VMA00857

BATCH NUMBER 100004559

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
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	0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

Immunogen

E. coli-derived recombinant protein of amino acids 1-154 of human EIF5A

External Database Links

UniProt:

[P63241](#)

[Related reagents](#)

Entrez Gene:

[1984](#)

EIF5A

[Related reagents](#)

Fusion Partners

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

Specificity

Mouse anti EIF5A antibody recognizes eukaryotic translation initiation factor 5A-1.

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](#)).

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>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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