

Datasheet: VMA00890

BATCH NUMBER 100004257

Description:	MOUSE ANTI EFTUD2
Specificity:	EFTUD2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB03/1B9
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
Immunoprecipitation	▪			
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 1-472 of human EFTUD2
External Database Links	<p>UniProt: Q15029 Related reagents</p> <p>Entrez Gene: 9343 EFTUD2 Related reagents</p>
Synonyms	KIAA0031, SNRP116
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 EFTUD2 antibody recognizes 116 kDa U5 small nuclear ribonucleoprotein component, also known as hSNU114.</p> <p>EFTUD2 is a GTPase responsible for mRNA maturation and mutations. Binding of GTP/GDP to EFTUD2 plays an important role in spliceosome dynamics, and disruption of the EFTUD2 GTP-binding domain in yeast leads to unspliced mRNAs and lethality (Lei et al. 2017). The protein is reported to regulate the innate immune response through alternative splicing of MyD88, an important signaling adaptor in many TLR signaling pathways (Zhu et al. 2015). Specific variants in the EFTUD2 gene are associated with microcephaly (Rengasamy Venugopalan et al. 2017), and EFTUS2 haploinsufficiency is linked to a number of conditions including syndromic oesophageal atresia, a relatively common but life-threatening congenital malformation (Gordon et al. 2012).</p>
Western Blotting	Mouse anti EFTUD2 antibody detects a band of approximately 122 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/VMA00890 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

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