

Datasheet: VMA00890

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	0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 1-472 of human EFTUD2

External Database Links

UniProt:

[Q15029](#) [Related reagents](#)

Entrez Gene:

[9343](#) EFTUD2 [Related reagents](#)

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 **Mouse anti EFTUD2 antibody** recognizes 116 kDa U5 small nuclear ribonucleoprotein component, also known as hSNU114.

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](#)).

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](#)

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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