

Datasheet: 0300-0082

BATCH NUMBER 166479

Description:	RABBIT ANTI HUMAN MBP
Specificity:	MBP
Other names:	MYELIN BASIC PROTEIN
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

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
ELISA	▪			1/100 - 1/400
Western Blotting	▪			
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Rat</p> <p>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.</p>
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)

Stabilisers

Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

Immunogen

Native myelin basic protein from human brain.

External Database Links

UniProt:

[P02686](#)

[Related reagents](#)

Entrez Gene:

[4155](#)

MBP

[Related reagents](#)

RRID

AB_2250337

Specificity

Rabbit anti Human MBP antibody recognizes human myelin basic protein (MBP), an abundant protein component of the myelin membrane and is reported to have a role in its formation and stabilisation.

Western Blotting

0300-0082 detects band at 18.5 kDa on reducing SDS-PAGE against rat brain lysate.

References

1. Seiberlich, V. *et al.* (2015) Downregulation of the microtubule associated protein Tau impairs process outgrowth and myelin basic protein mRNA transport in oligodendrocytes. [Glia. 63 \(9\): 1621-35.](#)
2. Krajnak, K. *et al.* (2016) Long-term daily vibration exposure alters current perception threshold (CPT) sensitivity and myelinated axons in a rat-tail model of vibration-induced injury. [J Toxicol Environ Health A. 79 \(3\): 101-11.](#)
3. Garinis, G. *et al.* (2021) DNA damage in tissue-resident macrophages leads to age-related neurodegeneration [Res Sq. Dec 01 \[Epub ahead of print\].](#)
4. Chaudhary, P. *et al.* (2022) Optic Nerve Head Myelin-Related Protein, GFAP, and Iba1 Alterations in Non-Human Primates With Early to Moderate Experimental Glaucoma. [Invest Ophthalmol Vis Sci. 63 \(11\): 9.](#)

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/0300-0082>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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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