

Datasheet: MCA6305

BATCH NUMBER 165648

Description:	RABBIT ANTI GFAP
Specificity:	GFAP
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM246
Isotype:	IgG
Quantity:	0.1 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
Immunohistology - Paraffin	▪			1/200 - 1/500
Western Blotting	▪			1/1000 - 1/3000

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 appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

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

Purified IgG prepared by affinity chromatography of Protein A from animal origin-free culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide

Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	A peptide corresponding to the N-terminus of Human GFAP.
External Database Links	<p>UniProt: P14136 Related reagents</p> <p>Entrez Gene: 2670 GFAP Related reagents</p>
Specificity	<p>Rabbit anti Human GFAP antibody, clone RM246 recognizes glial fibrillary acidic protein (GFAP). GFAP plays a role in several cellular functions within the central nervous system (CNS), including cell structure and stability, communication, motility and mitosis, and is rapidly synthesized during astrogliosis following trauma/injury (Eng and Ghirnikar 1994).</p> <p>GFAP is an intermediate filament protein that is primarily expressed in astrocytes, and is upregulated following injury to the central nervous system (CNS) (Brenner et al. 2014), inhibiting the inflammatory response and limiting damage within a controllable region (Zhang et al. 2017).</p> <p>Dominant acting mutations in GFAP leading to elevated GFAP levels in astrocytes is characteristic of Alexander disease, a fatal neurological illness (Messing et al. 2019). GFAP is also a potential marker for tumors with cartilaginous differentiation (Santos et al. 2009).</p>
References	<ol style="list-style-type: none"> Despa, F. <i>et al.</i> (2020) Amylin as a Potential Link between Type 2 Diabetes and Alzheimer Disease. Ann Neurol. 87 (3): 486. Kang, D.H. <i>et al.</i> (2020) Effects of Cerebrolysin on Hippocampal Neuronal Death After Pilocarpine-Induced Seizure. Front Neurosci. 14: 568813.
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10048 available at: https://www.bio-rad-antibodies.com/SDS/MCA6305 10048</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [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
'M376285:210127'

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