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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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MBP Antibody - middle region : FITC (ARP56223_P050-FITC)

Data Sheet

Product Number	ARP56223_P050-FITC
Product Page	www.avivasysbio.com/mbp-antibody-middle-region-fitc-arp56223-p050-fitc.html
Name	MBP Antibody - middle region : FITC (ARP56223_P050-FITC)
Protein Size (# AA)	304 amino acids
Molecular Weight	33kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	4155
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Myelin basic protein
Alias Symbols	MGC99675
Peptide Sequence	Synthetic peptide located within the following region: FKDRPSESDELQTIQEDSAATSESLDVMASQKRPSQRHGSKYLATASTMD
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Zhang,Q.Y., (2008) Arch. Med. Res. 39 (1), 45-51
Description of Target	The classic group of MBP isoforms (isoform 4-isoform 14) are with PLP the most abundant protein components of the myelin membrane in the CNS. They have a role in both its formation and stabilization. The smaller isoforms might have an important role in remyelination of denuded axons in multiple sclerosis. The non-classic group of MBP isoforms (isoform 1-isoform 3/Golli-MBPs) may preferentially have a role in the early developing brain long before myelination, maybe as components of transcriptional complexes, and may also be involved in signaling pathways in T-cells and neural cells. Differential splicing events combined with optional post-translational modifications give a wide spectrum of isomers, with each of them potentially having a specialized function. MBP induces T-cell proliferation.The protein encoded by the classic MBP gene is a major constituent of the myelin sheath of oligodendrocytes and Schwann cells in the nervous system. However, MBP-related transcripts are also present in the bone marrow and the immune system. These mRNAs arise from the long MBP gene (otherwise called 'Golli-MBP') that contains 3 additional exons located upstream of the classic MBP exons. Alternative splicing from the Golli and the MBP transcription start sites gives rise to 2 sets of MBP-related transcripts and gene products. The Golli mRNAs contain 3 exons unique to Golli-MBP, spliced in-frame to 1 or more MBP exons. They encode hybrid proteins that have N-terminal Golli aa sequence linked to MBP aa sequence. The second family of transcripts contain only MBP exons and produce the well characterized myelin basic proteins. This complex gene structure is conserved among species suggesting that the MBP transcription unit is an integral part of the Golli transcription unit and that this arrangement is important for the function and/or regulation of these genes.
Protein Interactions	CTDSP1; MAP3K3; UBC; PRKCB; MAPK3; MAPK1; ULK1; SQSTM1; PKN1; HIPK2; MNAT1; CDK9; CDK8; CDK7; CCNT1; CCNH; CCNC; MELK; DDX58; MAPK14; AT4G38520; AT4G31860; AT4G28400; ABI1; RPS6KA6; TOPP8; AT5G24940; AT5G10740; AT5G06750; AT3G17250; AT3G02750; AT3G15260;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-MBP (ARP56223_P050-FITC) antibody
Blocking Peptide	For anti-MBP (ARP56223_P050-FITC) antibody is Catalog # AAP56223 (Previous Catalog # AAPP38141)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human MBP
Uniprot ID	P02686
Protein Name	Myelin basic protein

Protein Accession #	NP_001020272
Purification	Affinity Purified
Nucleotide Accession #	NM_001025101
Gene Symbol	MBP
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 79%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 86%; Rabbit: 100%; Rat: 100%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

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Optimal conditions of its use should be determined by end users.

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