Datasheet for ABIN739400

anti-MBP antibody (AA 69-85)

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Overview

Quantity:	100 µL
Target:	MBP
Binding Specificity:	AA 69-85
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MBP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from Guinea Pig MBP
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Pig,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	MBP

Target Details

Abstract:	MBP Products
Background:	Synonyms: MBP_CAVPO,Myelin Basic Protein, Myelin basic protien, GDB, Golli MBP, Hemopoietic MBP, HMBPR, HUGO, MBP, MGC99675, MLD, Myelin A1 Protein, Myelin Deficient, Myelin Membrane Encephalitogenic Protein, SHI, Shiverer, SP, MBP TAG, MBP-TAG Background: Oligodendrocyte Marker The classic group of Myelin basic protein (MBP) isoforms (isoforms 4 to 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 (isoforms 1 to 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 to optional posttranslational modifications give a wide spectrum of isomers, each of them having maybe a specialized function.

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

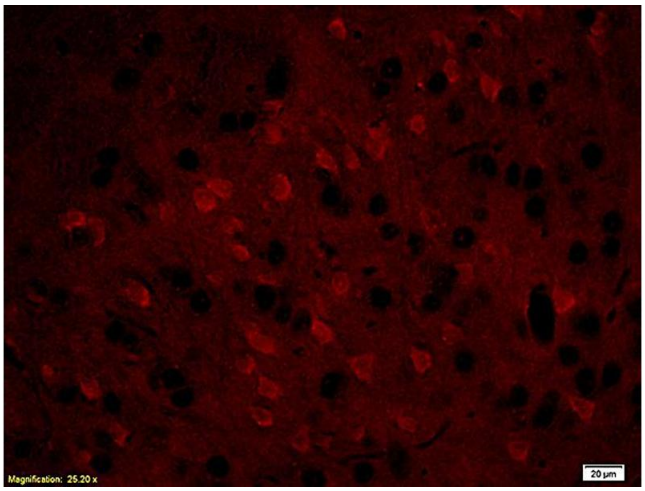
Luo, Wei, Wang, Wang: "Paternal bisphenol a diet changes prefrontal cortex proteome and provokes behavioral dysfunction in male offspring." in: **Chemosphere**, Vol. 184, pp. 720-729, (2017) (PubMed).

Zhang, Gong, Qiu, Zhang, Gong: "MicroRNA-210 contributes to peripheral nerve regeneration through promoting the proliferation and migration of Schwann cells." in: **Experimental and therapeutic medicine**, Vol. 14, Issue 4, pp. 2809-2816, (2017) (PubMed).

Gao, Li, Zheng, Guan, Ma: "Isolation of a pluripotent neural stem cell from the embryonic bovine brain." in: **International journal of molecular sciences**, Vol. 16, Issue 3, pp. 5990-9, (2015) (PubMed).

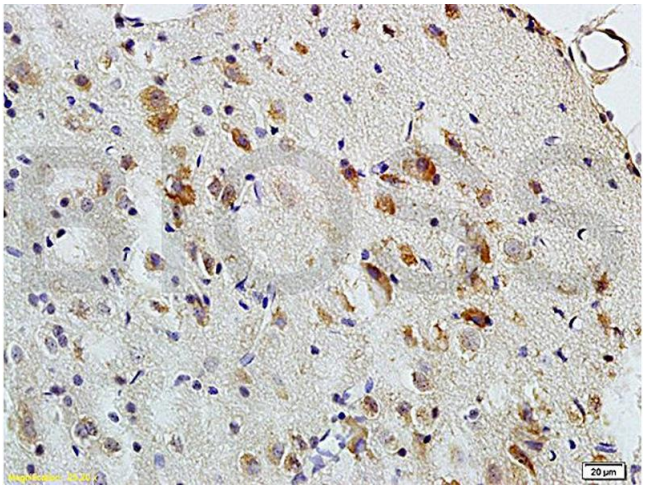
Mori, Matsubara, Matsubara, Uchikura, Hashimoto, Fujioka, Matsumoto: "Stromal Cell-Derived Factor-1? Plays a Crucial Role Based on Neuroprotective Role in Neonatal Brain Injury in Rats." in: **International journal of molecular sciences**, Vol. 16, Issue 8, pp. 18018-32, (2015) (PubMed).

There are more publications referencing this product on: Product page



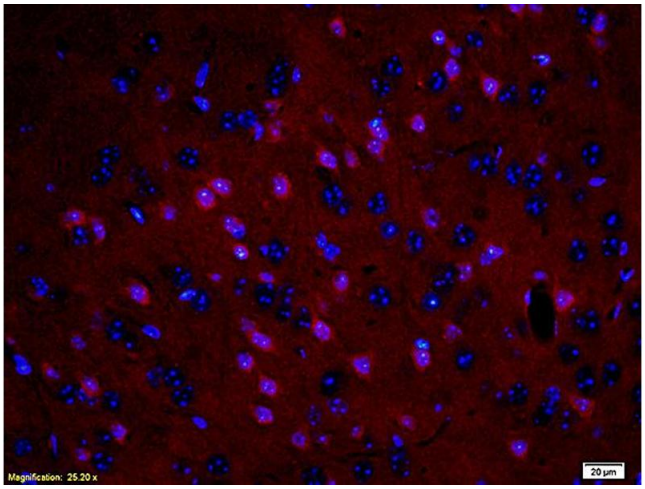
Immunofluorescence

Image 1. Formalin-fixed and paraffin embedded: rat brain tissue labeled with Anti-MBP Polyclonal Antibody (ABIN739400), Unconjugated at 1:200, followed by conjugation to the secondary antibody was Goat Anti-Rabbit IgG, PE conjugated at 1:200 for 40 minutes at 37°C



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded: rat brain tissue labeled with Anti-MBP Polyclonal Antibody (ABIN739400), Unconjugated at 1:200, followed by conjugation to the secondary antibody and DAB staining



Immunofluorescence

Image 3. Formalin-fixed and paraffin embedded: rat brain tissue labeled with Anti-MBP Polyclonal Antibody (ABIN739400), Unconjugated at 1:200, followed by conjugation to the secondary antibody was Goat Anti-Rabbit IgG, PE conjugated at 1:200 for 40 minutes at 37°C DAPI(5 µg/ml, blue) was used to stain the cell nuclei

Please check the product details page for more images. Overall 5 images are available for ABIN739400.