

For Research Use Only

CoraLite® Plus 750-conjugated MBP Polyclonal antibody

Catalog Number: CL750-10458



Basic Information

Catalog Number:

CL750-10458

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0713

GenBank Accession Number:

BC008749

GeneID (NCBI):

4155

UNIPROT ID:

P02686

Full Name:

myelin basic protein

Calculated MW:

33 kDa

Observed MW:

14-23 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima
wavelengths:

755 nm / 780 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P: mouse brain tissue,

Background Information

MBP belongs to the myelin basic protein family. The classic group of MBP isoforms (isoform 4-isoform 14) are 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. MBP has six isoforms. Catalog# 10458-1-AP is capable of recognizing multiple isoforms of MBP.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using CoraLite® Plus 750 MBP antibody (CL750-10458) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).