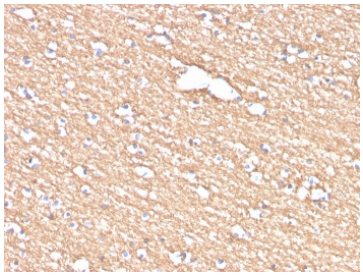
# Myelin PLP Antibody [clone PLP1/4259] (V8681)

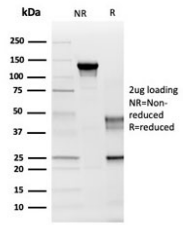
| Catalog No. | Formulation | Size |
|---|---|---|
| V8681-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V8681-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V8681SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

## Bulk quote request

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2a |
| **Clone Name** | PLP1/4259 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P60201 |
| **Localization** | Membrane |
| **Applications** | Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT |
| **Limitations** | This Myelin PLP antibody is available for research use only. |



IHC staining of FFPE human brain with Myelin PLP antibody (clone PLP1/4259). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




SDS-PAGE analysis of purified, BSA-free Myelin PLP antibody (clone PLP1/4259) as confirmation of integrity and purity.

## Description

Proteolipid protein (PLP) is the major myelin protein of the CNS and plays an important role in the formation and maintenance of myelin. PLP may play a role in the compaction and stabilization of myelin sheaths, as well as in oligodendrocyte development and axonal survival. Mutations in PLP gene can lead to dysmyelinating diseases.

## Application Notes

Optimal dilution of the Myelin PLP antibody should be determined by the researcher.

## Immunogen

A synthetic peptide from the C terminal region of the human protein was used as the immunogen for the Myelin PLP antibody. The epitope has been mapped to amino acids GRGTKF.

## Storage

Store the Myelin PLP antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).


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