

Plp1 Antibody (Center)
Mouse Monoclonal Antibody (Mab)
Catalog # AM2143b**Specification**

Plp1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P60201
Other Accession	P60202 , P60203 , P04116 , P23289 , Q8HXL7 , Q712P7 , P47789
Reactivity	Human, Mouse, Rat
Predicted	Bovine, Chicken, Monkey, Pig, Rabbit
Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Calculated MW	30,077 Da
Antigen Region	248-277

Plp1 Antibody (Center) - Additional Information**Gene ID** 5354**Other Names**

Myelin proteolipid protein, PLP, Lipophilin, Plp1, Plp

Target/Specificity

This Plp1 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 248-277 amino acids from the central region of human Plp1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Plp1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Plp1 Antibody (Center) - Protein Information**Name** PLP1

Synonyms PLP

Function This is the major myelin protein from the central nervous system. It plays an important role in the formation or maintenance of the multilamellar structure of myelin.

Cellular Location

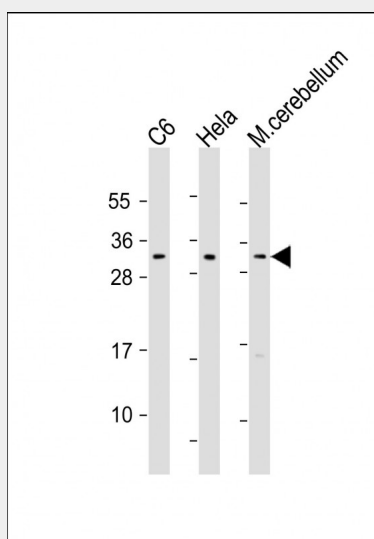
Cell membrane; Multi-pass membrane protein. Myelin membrane. Note=Colocalizes with SIRT2 in internodal regions, at paranodal axoglial junction and Schmidt-Lanterman incisures of myelin sheath.

Plp1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Plp1 Antibody (Center) - Images



All lanes : Anti-PLP1 at 1:1000 dilution Lane 1: C6 whole cell lysate Lane 2: HeLa whole cell lysate Lane 3: mouse cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgM, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 30 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Plp1 Antibody (Center) - Background

This is the major myelin protein from the central nervous system. It plays an important role in the formation or maintenance of the multilamellar structure of myelin.

Plp1 Antibody (Center) - References

Mayer, C.A., et al. Respir Physiol Neurobiol 169(3):303-314(2009)
Wang, E., et al. J. Cell. Biochem. 97(5):999-1016(2006)
Gudz, T.I., et al. J. Neurosci. 22(17):7398-7407(2002)
Boucher, S.E., et al. J. Neurosci. 22(5):1772-1783(2002)
Yamamoto, T., et al. Hum. Mutat. 14 (2), 182 (1999) :