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Rat PIp1 Antibody (Center)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2143b

Product Information

Application	WB, E
Primary Accession	P60203
Other Accession	P47789, Q712P7, P60202, Q8HXW7, P60201, P23289, P04116, NP_112252.1
Reactivity	Human
Predicted	Bovine, Chicken, Monkey, Mouse, Pig, Rabbit
Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Clone Names	538CT16.5.4
Calculated MW	30077
Antigen Region	248-277

Additional Information

Gene ID	24943
Other Names	Myelin proteolipid protein, PLP, Lipophilin, Plp1, Plp
Target/Specificity	This Rat PIp1 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 248-277 amino acids from the Central region of rat PIp1.
Dilution	WB~~1:100~500 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	Rat PIp1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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 sheat.

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.

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)
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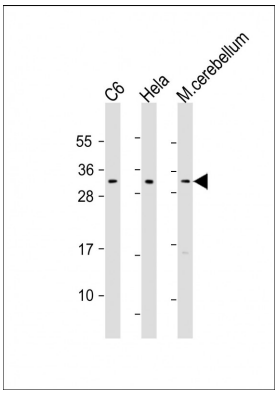
Boucher, S.E., et al. J. Neurosci. 22(5):1772-1783(2002)
Yamamoto, T., et al. Hum. Mutat. 14 (2), 182 (1999) :

Images



All lanes : Anti- 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.