

Mouse Plp1 Monoclonal Antibody | anti-Plp1 antibody

Rat Plp1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283522	Mouse	Human (Predicted Reactivity: Bovine, Chicken, Monkey, Mouse, Pig, Rabbit)	ELISA, Western Blot

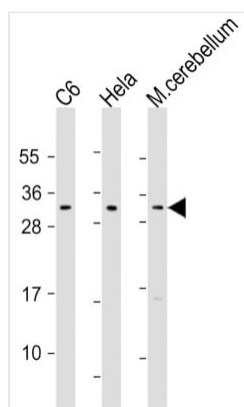
PRODUCT SYNONYMS

Plp1; Monoclonal Antibody; Rat Plp1 Antibody (Center); Myelin proteolipid protein; PLP; Lipophilin; Plp1; Plp; anti-Plp1 antibody

PRODUCT SPECIFICATIONS

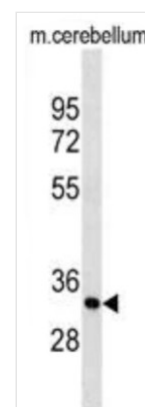
Host	Mouse
Reactivity	Human (Predicted Reactivity: Bovine, Chicken, Monkey, Mouse, Pig, Rabbit)
Clonality	Monoclonal
Isotype	IgM
Specificity	This Rat Plp1 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 248-277 amino acids from the Central region of rat Plp1.
Form/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.
Sequence Positions	248-277
Sequence Length	277
Applicable Applications for anti-Plp1 antibody	ELISA, WB (Western Blot)
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.
Preparation and 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.

IMAGES



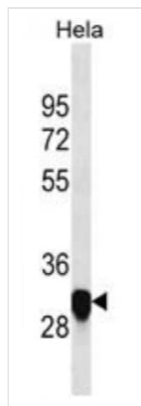
Application Data

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 ?g 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



WB (Western Blot)

RAT Plp1 Antibody (Center) western blot analysis in mouse cerebellum tissue lysates (35ug/lane). This demonstrates the Plp1 antibody detected the Plp1 protein (arrow).



WB (Western Blot)

RAT Plp1 Antibody (Center) western blot analysis in Hela cell line lysates (35ug/lane). This demonstrates the Plp1 antibody detected the Plp1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Plp1 antibody	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) 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) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	13591880
NCBI GeneID	24943
NCBI Accession #	NP_112252.1
NCBI GenBank Nucleotide #	NM_030990.2
UniProt Accession #	P60203; P04400; P06905; Q561K5
Molecular Weight	30077
NCBI Official Full Name	myelin proteolipid protein
NCBI Official Synonym Full Names	proteolipid protein 1
NCBI Official Symbol	Plp1
NCBI Official Synonym Symbols	Plp
NCBI Protein Information	myelin proteolipid protein
UniProt Protein Name	Myelin proteolipid protein
UniProt Gene Name	Plp1
UniProt Synonym Gene Names	Plp; PLP
UniProt Entry Name	MYPR_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.