

Rabbit Myelin PLP Polyclonal Antibody | anti-PLP1 antibody

Myelin PLP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328914	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Sheep(100%), Rabbit(100%), Dog(100%)	ELISA

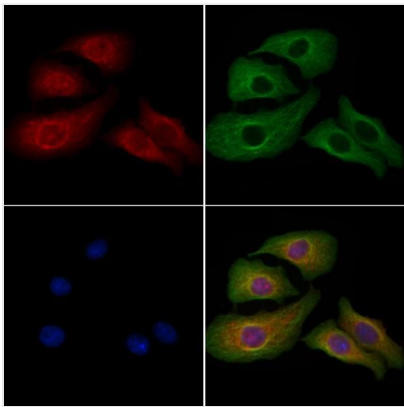
PRODUCT SYNONYMS

Myelin PLP; Polyclonal Antibody; Myelin PLP Antibody; HLD1; Lipophilin; Major myelin proteolipid protein; MMPL; Myelin proteolipid protein; MYPR_HUMAN; PLP 1; PLP; PLP/DM20; PLP1; PMD; Proteolipid protein 1; SPG2; anti-PLP1 antibody

PRODUCT SPECIFICATIONS

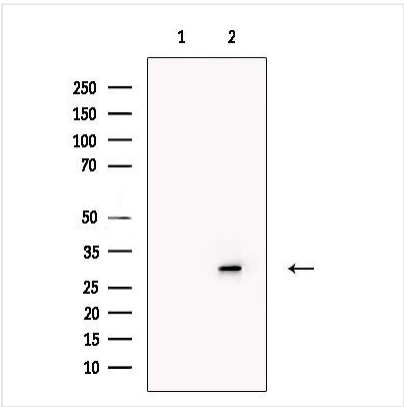
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Sheep(100%), Rabbit(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Myelin PLP Antibody detects endogenous levels of total Myelin PLP.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	274
Applicable Applications for anti-PLP1 antibody	ELISA
Immunogen	A synthesized peptide derived from human Myelin PLP, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA328914 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA328914) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



WB (Western Blot)

Western blot analysis of extracts from Mouse brain, using Myelin PLP Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PLP1 antibody	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.
	Subcellular 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.
	Similarity: Belongs to the myelin proteolipid protein family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	387028
NCBI GeneID	5354
UniProt Accession #	P60201
Molecular Weight	Observed Molecular Weight: (Observed)30kD. Predicted Molecular Weight: (Calculated)30kDa.
NCBI Official Full Name	proteolipid protein, partial
NCBI Official Synonym Full Names	proteolipid protein 1
NCBI Official Symbol	PLP1
NCBI Official Synonym Symbols	PLP; PMD; HLD1; MMPL; SPG2; GPM6C; PLP/DM20
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_HUMAN

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.

