

Rabbit PLP1 Polyclonal Antibody | anti-PLP1 antibody

Anti-PLP1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254733	Rabbit	Human, Mouse, Rat Predicted to React with: Cynomolgus (Species predicted to react based on 100% sequence homology)	Immunohistochemistry

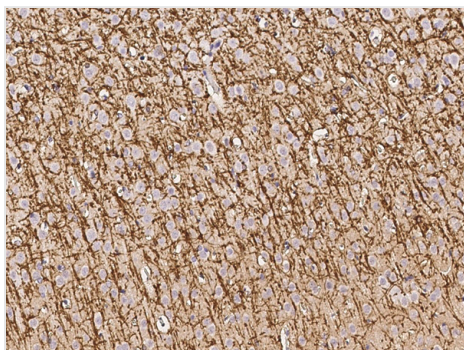
PRODUCT SYNONYMS

PLP1; Polyclonal Antibody; Anti-PLP1 Antibody; Rabbit Polyclonal; PLP1 Antibody; Rabbit PAb; Antigen Affinity Purified; proteolipid protein 1; Anti-GPM6C Antibody; Anti-HLD1 Antibody; Anti-MMPL Antibody; Anti-PLP Antibody; Anti-PLP/DM20 Antibody; Anti-PMD Antibody; Anti-SPG2 Antibody; anti-PLP1 antibody

PRODUCT SPECIFICATIONS

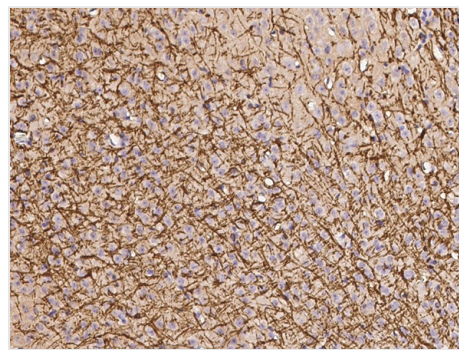
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted to React with: Cynomolgus (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PLP1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PLP1 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Human PLP1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human PLP1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



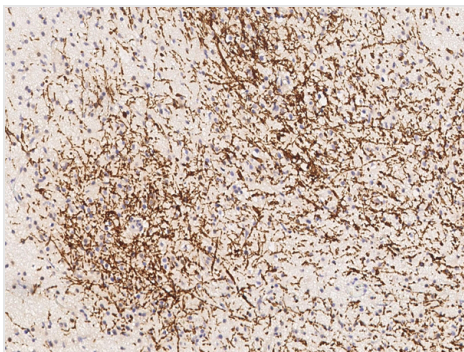
IHC (Immunohistochemistry)

Immunochemical staining PLP1 in rat brain with rabbit polyclonal antibody (1 ug/mL, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining PLP1 in mouse brain with rabbit polyclonal antibody (1 ug/mL, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining PLP1 in human brain with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-PLP1 antibody	The myelin proteolipid protein gene (PLP1) encodes the most abundant protein present in myelin from the central nervous system (CNS). Its expression must be tightly controlled as evidenced by mutations that alter PLP1 dosage; both overexpression (elevated PLP1 copy number) and lack thereof (PLP1 deletion) result in X-linked genetic disorders in man. PLP1 (proteolipid protein1 gene) mutations cause Pelizaeus-Merzbacher disease (PMD), characterized by hypomyelination of the central nervous system, and affecting almost exclusively males. Proteolipid protein 1 gene (PLP1) mutations result in a continuum of neurological findings characterized by X-linked hypomyelinating leukodystrophies of the central nervous system, from mild spastic paraplegia type 2 to severe Pelizaeus-Merzbacher disease.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	387028
NCBI GeneID	5354
UniProt Accession #	P60201; P04400; P06905; Q502Y1; Q6FHZ6
Molecular Weight	30,077 Da
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; lipophilin; major 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.