

PLP1 rabbit monoclonal antibody

Catalog # H00005354-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PLP1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PLP1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PLP1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PLP1

Entrez GeneID	5354
GeneBank Accession#	PLP1
Gene Name	PLP1
Gene Alias	HLD1, MMPL, PLP, PLP/DM20, PMD, SPG2
Gene Description	proteolipid protein 1
Omim ID	300401 312080 312920
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transmembrane proteolipid protein that is the predominant myelin protein present in the central nervous system. It may play a role in the compaction, stabilization, and maintenance of myelin sheaths, as well as in oligodendrocyte development and axonal survival. Mutations in this gene cause X-linked Pelizaeus-Merzbacher disease and spastic paraplegia type 2. Alternatively spliced transcript variants encoding distinct isoforms or having different 5' UTRs, have been identified for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000023761 OTTHUMP00000023762 lipophilin major myelin proteolipid protein

Disease

- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hereditary Central Nervous System Demyelinating Diseases](#)
- [Multiple Sclerosis](#)
- [Spastic Paraplegia](#)