



Anti-PLP1 (aa 177-232) polyclonal antibody (DPAB-DC2280)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	PLP1 (NP_000524, 177 a.a. ~ 232 a.a) partial recombinant protein with GST tag. The sequence is YFNTWTTTCQSIAFPSKTSASIGSLCADARMYGVLPWNAFPKVCNLLSICKTAE
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PLP1 proteolipid protein 1 [Homo sapiens (human)]
Official Symbol	PLP1
Synonyms	PLP1; proteolipid protein 1; PLP; PMD; HLD1; MMPL; SPG2; GPM6C; PLP/DM20; myelin proteolipid protein; lipophilin; major myelin proteolipid protein;
Entrez Gene ID	5354
Protein Refseq	NP_000524
UniProt ID	A8K9L3
Chromosome Location	Xq22
Pathway	Glial Cell Differentiation;
Function	structural constituent of myelin sheath; structural molecule activity;