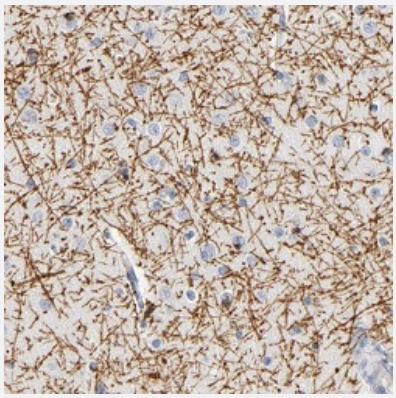
PLP1 polyclonal antibody

Catalog # PAB31033 Size 100 uL

Applications

Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of (1) Negative control (vector only transfected HEK293T lysate), and (2) pLP1 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex shows distinct positivity in neuropil.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human PLP1.
Immunogen	Recombinant protein corresponding to human PLP1.
Sequence	LLLAEGFYTTGAVRQIFGDYKTTICGKGLSATVTGGQKGRGSRGQHQAHSLERVCHCLGKWLGHP DKFVGI
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-500) Western Blot (1:100-250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — PLP1

Entrez GeneID	5354
Protein Accession#	P60201
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 pr esent in the central nervous system. It may play a role in the compaction, stabilization, and mainte nance of myelin sheaths, as well as in oligodendrocyte development and axonal survival. Mutation s in this gene cause X-linked Pelizaeus-Merzbacher disease and spastic paraplegia type 2. Alter natively spliced transcript variants encoding distinct isoforms or having different 5' UTRs, have be en 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