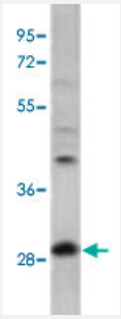
PPT1 polyclonal antibody

Catalog # PAB2507 Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of mouse cerebellum tissue lysates with PPT1 polyclonal antibody (Cat # PAB2507).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PPT1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PPT1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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.

Applications

- Western Blot (Tissue lysate)

  Western blot analysis of mouse cerebellum tissue lysates with PPT1 polyclonal antibody (Cat # PAB2507).

Gene Info — PPT1

Entrez GeneID	5538
Protein Accession#	PPT1_HUMAN
Gene Name	PPT1
Gene Alias	CLN1, INCL, PPT
Gene Description	palmitoyl-protein thioesterase 1
Omim ID	256730 600722
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a small glycoprotein involved in the catabolism of lipid-modified proteins during lysosomal degradation. The encoded enzyme removes thioester-linked fatty acyl groups such as palmitate from cysteine residues. Defects in this gene are a cause of infantile neuronal ceroid lipofuscinosis 1 (CLN1, or INCL) and neuronal ceroid lipofuscinosis 4 (CLN4). Two transcript variants encoding different isoforms have been found for this gene
Other Designations	OTTHUMP00000004836|ceroid-palmitoyl-palmitoyl-protein thioesterase 1|palmitoyl-protein hydrolase 1

Publication Reference

- The crystal structure of palmitoyl protein thioesterase-2 (PPT2) reveals the basis for divergent substrate specificities of the two lysosomal thioesterases, PPT1 and PPT2.

  Calero G, Gupta P, Nonato MC, Tandel S, Biehl ER, Hofmann SL, Clardy J.

  The Journal of Biological Chemistry 2003 Sep; 278(39):37957.

- The neuronal ceroid lipofuscinoses: mutations in different proteins result in similar disease.

  Weimer JM, Kriscenski-Perry E, Elshatory Y, Pearce DA.

  Neuromolecular Medicine 2002 Jan; 1(2):111.

  Application: IHC, WB-Tr, Human, Monkey, COS cells, Mammalian cells, Tissues

Pathway

- Fatty acid elongation in mitochondria
- Lysosome
- Metabolic pathways

Disease

- Dominance
- Neuronal Ceroid-Lipofuscinoses
- Schizophrenia