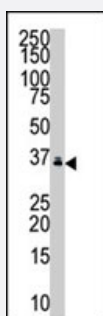


PPT1 polyclonal antibody

Catalog # PAB2508

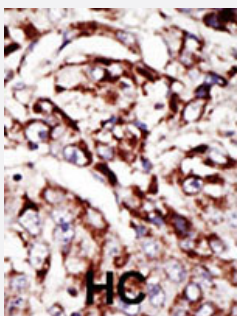
Size 400 uL

Applications



Western Blot (Cell lysate)

The PPT1 polyclonal antibody (Cat # PAB2508) is used in Western blot to detect PPT1 in 293 cell lysate.



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with the PPT1 polyclonal antibody (Cat # PAB2508), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PPT1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PPT1.
Host	Rabbit
Reactivity	Human
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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

The PPT1 polyclonal antibody (Cat # PAB2508) is used in Western blot to detect PPT1 in 293 cell lysate.

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

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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](#)