

## Product datasheet for **TA800618BM**

### PPT1 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI1F10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1F10
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 100-306 of human PPT1 (NP_000301) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	31.2 kDa
Gene Name:	palmitoyl-protein thioesterase 1
Database Link:	<a href="#">NP_000301</a> <a href="#">Entrez Gene 5538 Human</a> <a href="#">P50897</a>
Background:	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. [provided by RefSeq, Dec 2008]



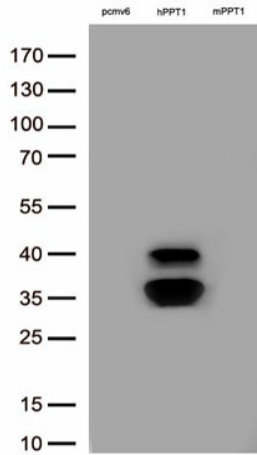
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**Synonyms:** CLN1; INCL; PPT

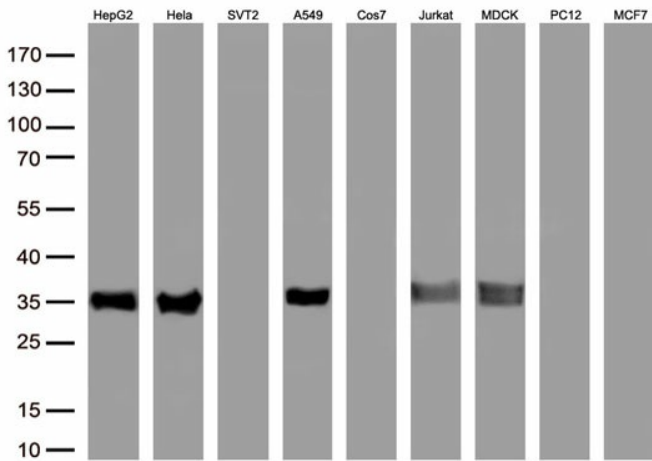
**Protein Families:** Druggable Genome

**Protein Pathways:** Fatty acid elongation in mitochondria, Lysosome, Metabolic pathways

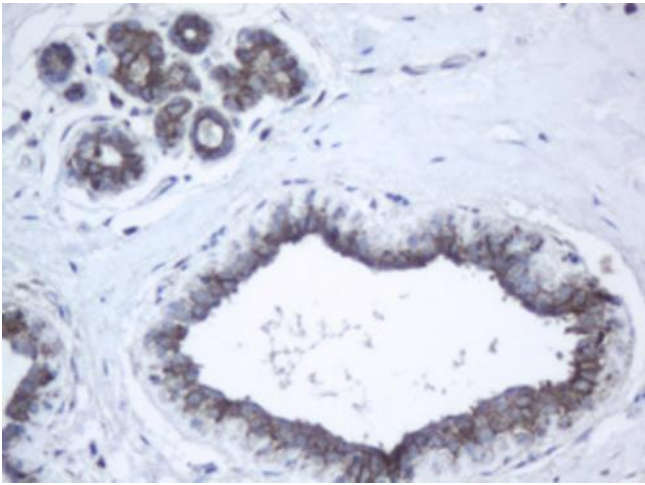
**Product images:**



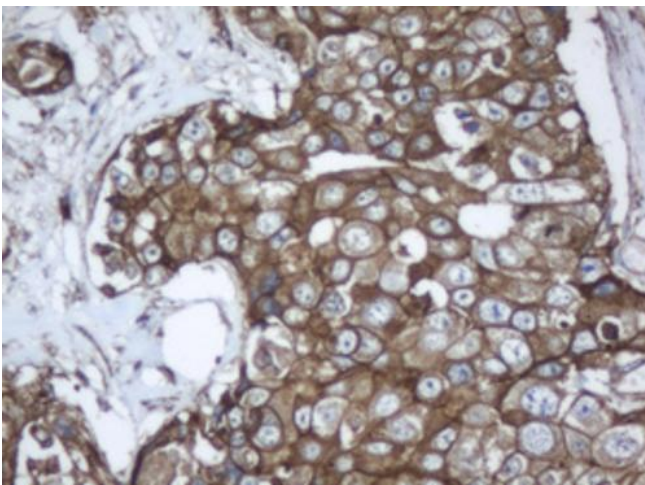
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY human PPT1 ([RC203278], Middle lane) cDNA or pCMV6-ENTRY mouse PPT1 ([MR218476], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PPT1. ([TA800618], 1:500). The WB shows that the monoclonal antibody [TA800618] reacts only with human PPT1 and does not cross react with mouse or rat PPT1



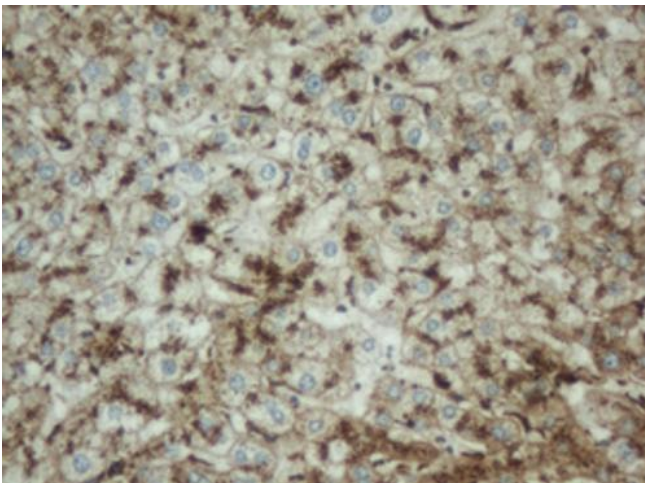
Western blot analysis of extracts (50ug per lane) from 9 cell lines lysates by using anti-PPT1 monoclonal antibody([TA800618], 1:500)



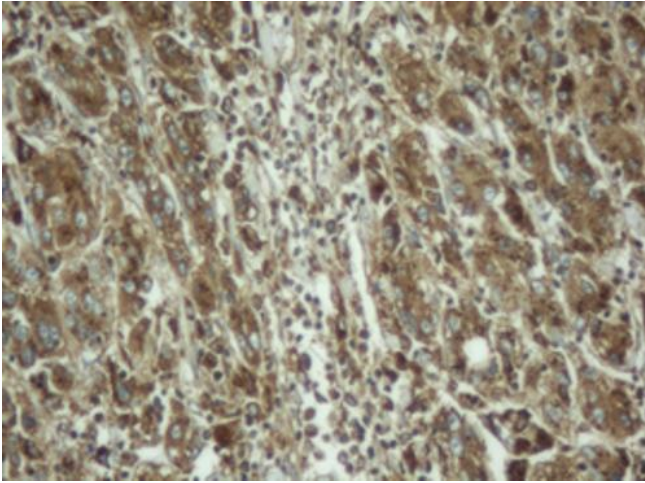
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-PPT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800618])



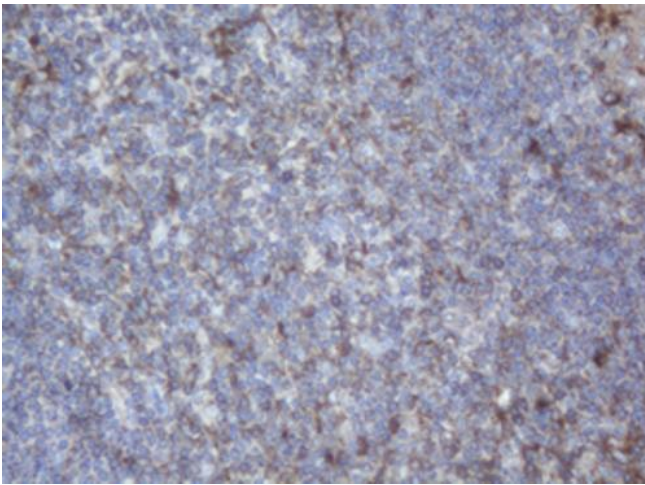
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-PPT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800618])



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-PPT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800618])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-PPT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800618])



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-PPT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800618])