

Product Name: KD-Validated PPT1 Mouse Monoclonal Antibody**Catalog #: KVA00047**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500
Molecular Weight	Calculated MW: 34.2kDa

Antigen Information

Gene Name	PPT1 PPT1; Palmitoyl-Protein Thioesterase 1; CLN1; INCL; PPT; Palmitoyl-Protein Hydrolase 1; EC
Alternative Names	3.1.2.22; Ceroid-Palmitoyl-Palmitoyl-Protein Thioesterase 1; Ceroid-Lipofuscinosis, Neuronal 1, Infantile; PPT-1
Gene ID	5538.0
SwissProt ID	P50897
Immunogen	Recombinant protein of human PPT1

Background

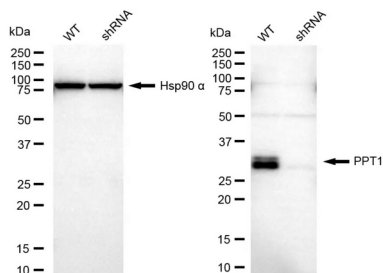
The protein encoded by this gene is a small glycoprotein involved in the catabolism of lipid-modified proteins during lysosomal degradation. The encoded enzyme removes thioester-linked fatty acyl groups such as palmitate from cysteine residues. Defects

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]

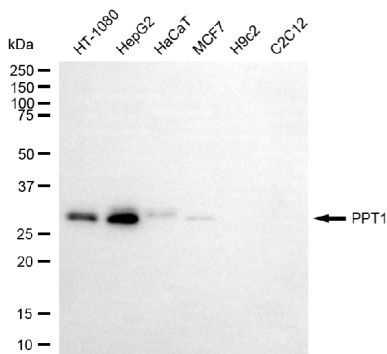
Research Area

Signal Transduction, Neuroscience

Image Data



Western blotting analysis using PPT1 antibody (KVA00047). PPT1 expression in wild-type (WT) and PPT1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with PPT1 antibody (KVA00047, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using PPT1 antibody (KVA00047). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PPT1 antibody (KVA00047, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.