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PPT2 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI16118

Product Information

Application	WB
Primary Accession	Q9UMR5
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34225

Additional Information

Gene ID	9374
Alias Symbol	PPT2,
Other Names	Lysosomal thioesterase PPT2, PPT-2, 3.1.2.-, S-thioesterase G14, PPT2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-PPT2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	PPT2 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PPT2 (HGNC:9326)
Function	Catalyzes the cleavage of thioester bonds from S-palmitoyl- CoA or S-palmitoyl-N-acetylcysteamine (unbranched structures) but does not have activity against palmitoylcysteine or palmitoylated proteins, branched structures or bulky head groups. Conversely, hydrolyzes both long and short chain fatty acyl-CoA substrate.
Cellular Location	Lysosome.
Tissue Location	Broadly expressed, with highest levels in skeletal muscle.

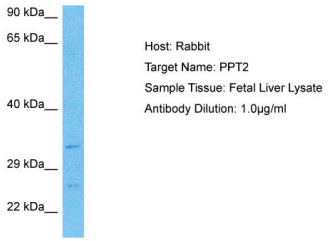
Background

Removes thioester-linked fatty acyl groups from various substrates including S-palmitoyl-CoA. Has the highest S- thioesterase activity for the acyl groups palmitic and myristic acid followed by other short- and long-chain acyl substrates. However, because of structural constraints, is unable to remove palmitate from peptides or proteins.

References

Soyombo A.A.,et al.J. Biol. Chem. 272:27456-27463(1997).
Aguado B.,et al.Biochem. J. 341:679-689(1999).
Wiemann S.,et al.Genome Res. 11:422-435(2001).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



Host: Rabbit
Target Name: PPT2
Sample Tissue: Fetal Liver lysates
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.