



## Rabbit Anti-PPT2 antibody

SL11750R

<b>Product Name:</b>	PPT2
<b>Chinese Name:</b>	棕榈酰蛋白水解酶2抗体
<b>Alias:</b>	Lysosomal thioesterase PPT2; Palmitoyl protein hydrolase 2; Palmitoyl protein thioesterase 2; PPT 2; PPT-2; Ppt2; PPT2_HUMAN; S thioesterase G14; S-thioesterase G14.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	31kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PPT2:221-302/302
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	PPT2 (palmitoyl-protein thioesterase 2), also known as G14, is a 302 amino acid glycosylated protein that localizes to the lysosome and belongs to the palmitoyl-protein thioesterase family. Expressed throughout the body with highest levels in skeletal muscle, PPT2 functions to remove thioester-linked fatty acyl groups from a variety of substrates, including S-palmitoyl-CoA, thereby playing an important role in lipid

metabolism. PPT2 operates at an optimal pH of 7 and exhibits the highest activity for the acyl groups on myristic and palmitic acids, with lower levels of activity toward other short- and long-chain acyl substrates. PPT2 exists as two isoforms, one of which is expressed at low levels and is catalytically inactive.

**Function:**

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.

**Subcellular Location:**

Lysosome.

**Tissue Specificity:**

Broadly expressed, with highest levels in skeletal muscle.

**Similarity:**

Belongs to the palmitoyl-protein thioesterase family.

**SWISS:**

Q9UMR5

**Gene ID:**

9374

**Database links:**

[Entrez Gene: 9374](#)Human

[Entrez Gene: 54397](#)Mouse

[Oimim: 603298](#)Human

[SwissProt: Q9UMR5](#)Human

[SwissProt: O35448](#)Mouse

[Unigene: 635690](#)Human

[Unigene: 373627](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.