

PTPLB Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP4975b**Specification**

PTPLB Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession
Other Accession[Q6Y1H2](#)
[NP_940684](#)**PTPLB Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 201562**Other Names**

Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 2, 3-hydroxyacyl-CoA dehydratase 2, HACD2, Protein-tyrosine phosphatase-like member B, PTPLB, HACD2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PTPLB Antibody (C-term) Blocking Peptide - Protein Information**Name** HACD2 {ECO:0000303|PubMed:18554506, ECO:0000312|HGNC:HGNC:9640}**Function**

Catalyzes the third of the very long-chain fatty acids (VLCFA) elongation four-step cycle (condensation, reduction, dehydration, and reduction). This endoplasmic reticulum-elongation process is characterized by the addition of two carbons to the lipid chain through each cycle. This enzyme catalyzes the dehydration of the 3-hydroxyacyl-CoA intermediate into trans-2,3-enoyl-CoA, within each cycle of elongation. Therefore, it participates in the production of various VLCFAs involved in multiple biological processes as precursors of membrane lipids and lipid mediators.

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

Highly expressed in testis, spleen, prostate, colon and heart, followed by moderate expression in thymus, ovary, small intestine, peripheral blood leukocytes, liver, skeletal muscle and pancreas. Weakly detected in kidney, placenta, brain and lung

PTPLB Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PTPLB Antibody (C-term) Blocking Peptide - Images**PTPLB Antibody (C-term) Blocking Peptide - Background**

PTPLB is probable anti-phosphatase.

PTPLB Antibody (C-term) Blocking Peptide - References

Wang, B., et al. Mol. Cell. Biol. 24(7):2767-2778(2004)