

PTPLAD2 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12455**Specification****PTPLAD2 antibody - middle region - Product Information**

Application	WB
Primary Accession	Q5VWC8
Other Accession	NM_001010915 , NP_001010915
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Mouse, Rat, Chicken, Guinea Pig, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 27kDa kDa

PTPLAD2 antibody - middle region - Additional Information**Gene ID** 401494**Alias Symbol** DKFZp686F01145, DKFZp686G24132, HACD4**Other Names**

Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 4, 4.2.1.134, 3-hydroxyacyl-CoA dehydratase 4, HACD4, Protein tyrosine phosphatase-like protein PTPLAD2, Protein-tyrosine phosphatase-like A domain-containing protein 2, PTPLAD2, HACD4

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-PTPLAD2 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

PTPLAD2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

PTPLAD2 antibody - middle region - Protein Information**Name** HACD4 {ECO:0000303|PubMed:18554506, ECO:0000312|HGNC:HGNC:20920}**Function**

Catalyzes the third of the four reactions of the long-chain fatty acids elongation cycle. This endoplasmic reticulum-bound enzymatic process, allows the addition of two carbons to the chain of long- and very long-chain fatty acids/VLCFAs per cycle. This enzyme catalyzes the dehydration of the 3-hydroxyacyl-CoA intermediate into trans-2,3-enoyl-CoA, within each cycle of fatty acid elongation. Thereby, it participates in the production of VLCFAs of different chain lengths that are

involved in multiple biological processes as precursors of membrane lipids and lipid mediators.

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

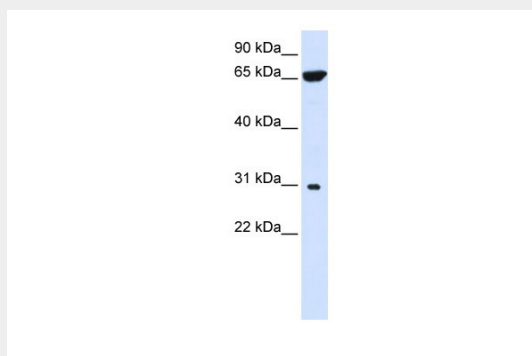
Tissue Location

Highly expressed in leukocytes, and low expression in heart, spleen, kidney, and placenta.

PTPLAD2 antibody - middle region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PTPLAD2 antibody - middle region - Images

WB Suggested Anti-PTPLAD2 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:1562500

Positive Control: 293T cell lysate

PTPLAD2 antibody - middle region - References

Strausberg, R.L., (2002) Proc. Natl. Acad. Sci. U.S.A. 99(26), 16899-16903 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.