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Rabbit Anti-PTPLB antibody

SL4429R

Product Name:	PTPLB
Chinese Name:	蛋白酪氨酸磷酸酶PTPLB抗体
Alias:	3 hydroxyacyl CoA dehydratase 2; 3-hydroxyacyl-CoA dehydratase 2; HACD2; HACD2_HUMAN; Protein tyrosine phosphatase like (proline instead of catalytic arginine) member b; Protein tyrosine phosphatase like member B; Protein-tyrosine phosphatase-like member B; PTPLB; Very-long-chain (3R)-3-hydroxyacyl-[acyl-carrier protein] dehydratase 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,
Applications:	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.
Molecular weight:	28kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PTPLB:181-254/254<Cytoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	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.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene can catalyze the third step (dehydration) in the conversion of long chain fatty acids to very long chain fatty acids. The encoded protein

localizes to the endoplasmic reticulum membrane. [provided by RefSeq, Jul 2016]

Function:
Responsible for the dehydration step in very long-chain fatty acids (VLCFAs) synthesis.

Subcellular Location:
Endoplasmic reticulum membrane.

Tissue Specificity:
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.

Similarity:
Belongs to the very long-chain fatty acids dehydratase HACD family.

SWISS:
Q9D3B1

Gene ID:
201562

Database links:

Entrez Gene: 201562 Human

Entrez Gene: 70757 Mouse

SwissProt: Q6Y1H2 Human

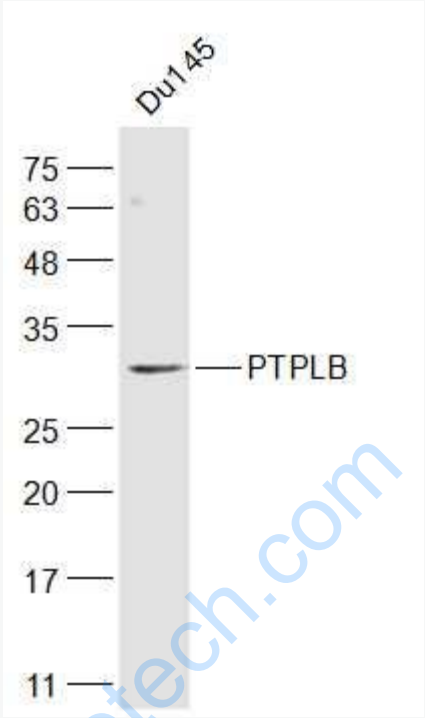
SwissProt: Q9D3B1 Mouse

Unigene: 705480 Human

Unigene: 27286 Mouse

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

Picture:



Sample:

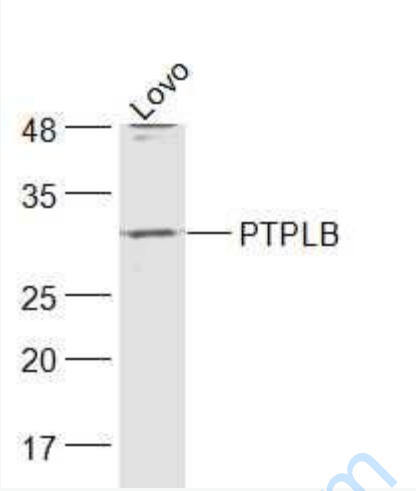
Du145(Human) Cell Lysate at 30 ug

Primary: Anti-PTPLB (SL4429R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 28 kD

Observed band size: 28 kD



Sample:

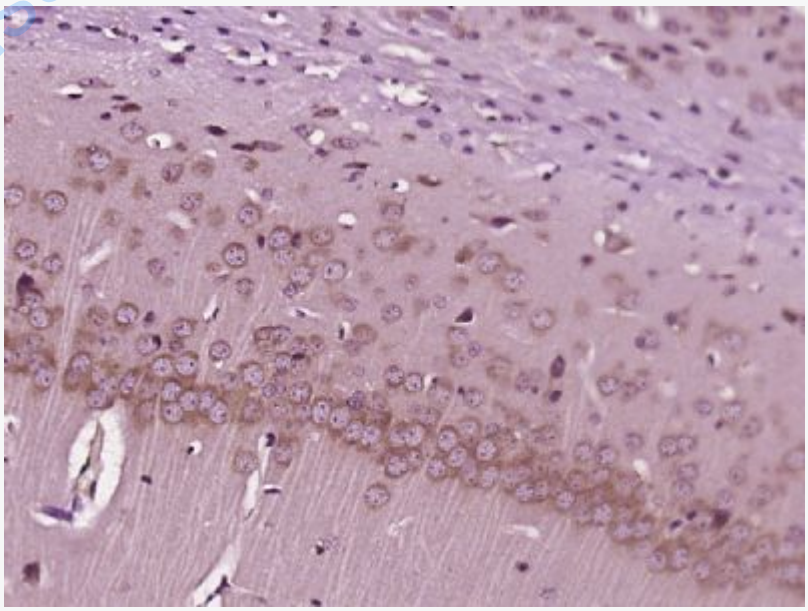
LOVO(Human) Cell Lysate at 30 ug

Primary: Anti-PTPLB (SL4429R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 28 kD

Observed band size: 28 kD



	Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PTPLB) Polyclonal Antibody, Unconjugated (SL4429R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.