



# Rabbit Anti-Human PPFIA1 Polyclonal Antibody (CABT-L2277)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Protein Tyrosine Phosphatase F Interacting Protein 1 (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against PPFIA1. It has been selected for its ability to recognize PPFIA1 in immunohistochemical staining and western blotting.
<b>Target</b>	PPFIA1
<b>Immunogen</b>	Recombinant fragment corresponding to human PPFIA1 (Met1~Ala250)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	The protein encoded by this gene is a member of the LAR protein-tyrosine phosphatase-interacting protein (liprin) family. Liprins interact with members of LAR family of transmembrane protein tyrosine phosphatases, which are known to be important for axon guidance and mammary gland development. This protein binds to the intracellular membrane-distal phosphatase domain of tyrosine phosphatase LAR, and appears to localize LAR to cell focal adhesions. This interaction may regulate the disassembly of focal adhesion and thus help orchestrate cell-matrix interactions. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]
<b>Keywords</b>	LIP.1;LIP1;LIPRIN;Liprin-Alpha 1;LAR-interacting protein 1;Protein tyrosine phosphatase receptor type f polypeptide-interacting protein alpha-1

## GENE INFORMATION

<b>Gene Name</b>	PPFIA1 protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	PPFIA1
<b>Synonyms</b>	PPFIA1; protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1; LIP1; LIP.1; LIPRIN; liprin-alpha-1; LIP-1; Liprin-alpha1; LAR-interacting protein 1; PTPRF-interacting protein alpha-1; protein tyrosine phosphatase receptor type f polypeptide-interacting protein alpha-1;
<b>Entrez Gene ID</b>	<a href="#">8500</a>
<b>Protein Refseq</b>	NP_003617
<b>UniProt ID</b>	<a href="#">B3KVS8</a>
<b>Chromosome Location</b>	11q13.3
<b>Pathway</b>	Acetylcholine Neurotransmitter Release Cycle; Dopamine Neurotransmitter Release Cycle; Glutamate Neurotransmitter Release Cycle; Neuronal System; Neurotransmitter Release Cycle; Norepinephrine Neurotransmitter Release Cycle; Serotonin Neurotransmitter Release Cycle; Transmission across Chemical Synapses;

**Function**

protein binding; signal transducer activity;

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