

PPFIA1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17425a

Specification

PPFIA1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q13136](#)

PPFIA1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 8500

Other Names

Liprin-alpha-1, LAR-interacting protein 1, LIP-1, Protein tyrosine phosphatase receptor type f polypeptide-interacting protein alpha-1, PTPRF-interacting protein alpha-1, PPFIA1, LIP1

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.

PPFIA1 Antibody (N-term) Blocking Peptide - Protein Information

Name PPFIA1

Synonyms LIP1

Function

May regulate the disassembly of focal adhesions. May localize receptor-like tyrosine phosphatases type 2A at specific sites on the plasma membrane, possibly regulating their interaction with the extracellular environment and their association with substrates.

Cellular Location

Cytoplasm. Note=Colocalizes with PTPRF at the ends of focal adhesions most proximal to the cell nucleus

Tissue Location

Ubiquitous.

PPFIA1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PPFIA1 Antibody (N-term) Blocking Peptide - Images

PPFIA1 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene is a member of the LARprotein-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.

PPFIA1 Antibody (N-term) Blocking Peptide - References

Asperti, C., et al. Exp. Cell Res. 316(6):915-926(2010) Dancau, A.M., et al. Genes Chromosomes Cancer 49(1):1-8(2010) Asperti, C., et al. J. Cell. Sci. 122 (PT 18), 3225-3232 (2009) :Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009) Tan, K.D., et al. Genes Chromosomes Cancer 47(4):353-362(2008)