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PPFIA1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17425a

Product Information

Application	WB, E
Primary Accession	Q13136
Other Accession	NP_003617.1, NP_803172.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37041
Calculated MW	135779
Antigen Region	52-80

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
Target/Specificity	This PPFIA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 52-80 amino acids from the N-terminal region of human PPFIA1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PPFIA1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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, cell cortex. Cytoplasm Note=Colocalizes with PTPRF near focal adhesions
Tissue Location	Ubiquitous.

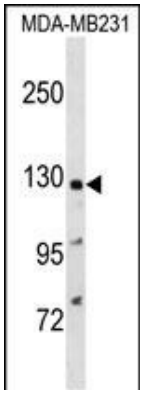
Background

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.

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)

Images



PPFIA1 Antibody (N-term) (Cat. #AP17425a) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the PPFIA1 antibody detected the PPFIA1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.