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PLEKHA4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11773a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9H4M7
Other Accession	NP_065955.2, NP_001154826.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18470
Calculated MW	85401
Antigen Region	21-50

Additional Information

Gene ID	57664
Other Names	Pleckstrin homology domain-containing family A member 4, PH domain-containing family A member 4, Phosphoinositol 3-phosphate-binding protein 1, PEPP-1, PLEKHA4, PEPP1
Target/Specificity	This PLEKHA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-50 amino acids from the N-terminal region of human PLEKHA4.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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	PLEKHA4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PLEKHA4

Synonyms	PEPP1
Function	Binds specifically to phosphatidylinositol 3-phosphate (PtdIns3P), but not to other phosphoinositides.
Cellular Location	Cytoplasm. Membrane; Peripheral membrane protein
Tissue Location	Highly expressed in melanoma. Detected at low levels in heart, skeletal muscle, kidney, liver and small intestine

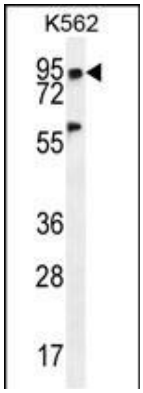
Background

PLEKHA4 binds specifically to phosphatidylinositol-3-phosphate (PtdIns3P), but not to other phosphoinositides.

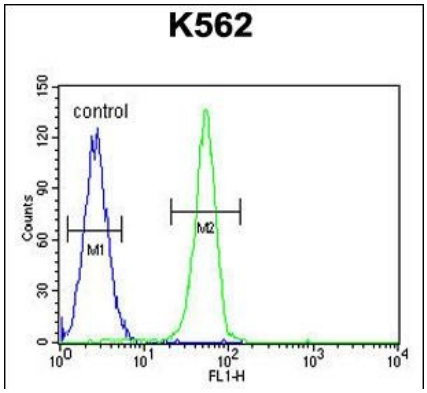
References

Stelzl, U., et al. Cell 122(6):957-968(2005)
Dowler, S., et al. Biochem. J. 351 (PT 1), 19-31 (2000) :

Images

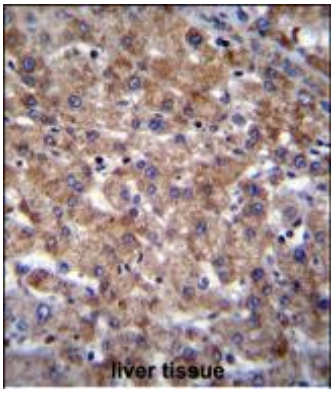


PLEKHA4 Antibody (N-term) (Cat. #AP11773a) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the PLEKHA4 antibody detected the PLEKHA4 protein (arrow).



PLEKHA4 Antibody (N-term) (Cat. #AP11773a) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

PLEKHA4 Antibody (N-term) (Cat. #AP11773a)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PLEKHA4 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



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