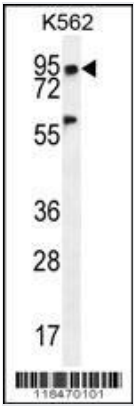
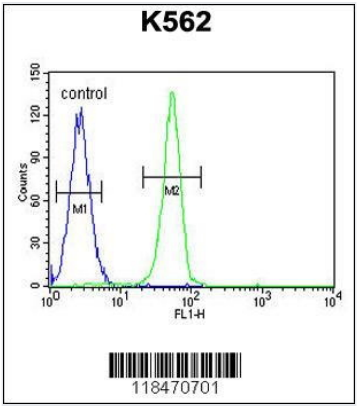
PLEKHA4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

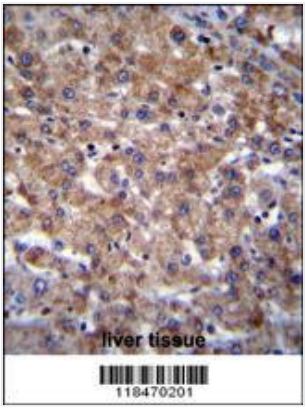
Product Name	PLEKHA4, Polyclonal Antibody
Full Product Name	PLEKHA4, NT (PLEKHA4, PEPP1, Pleckstrin homology domain-containing family A member 4, Phosphoinositol 3-phosphate-binding protein 1) (AP)
Product Gene Name	anti-PLEKHA4 antibody
Product Synonym Names	PLEKHA4; PEPP1; Pleckstrin homology domain-containing family A member 4; Phosphoinositol 3-phosphate-binding protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	AY007233 mRNA
3D Structure	ModBase 3D Structure for Q9H4M7
Immunogen	PLEKHA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-58 amino acids from the N-terminal region of human PLEKHA4.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-PLEKHA4 antibody	Antibodies; Pleckstrin Homology Proteins
Applications Tested/Suitable for anti-PLEKHA4 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-PLEKHA4 antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-PLEKHA4 antibody	PLEKHA4 binds specifically to phosphatidylinositol-3-phosphate (PtdIns3P), but not to other phosphoinositides.
Product References and Citations for anti-PLEKHA4 antibody	Stelzl, U., et al. Cell 122(6):957-968(2005). Dowler, S., et al. Biochem. J. 351 (PT 1), 19-31 (2000).
Other Notes	Small volumes of anti-PLEKHA4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PLEKHA4 purchase	MBS6334806 is an antibody targeting PLEKHA4. Also known as PLEKHA4, NT (PLEKHA4, PEPP1, Pleckstrin homology domain-containing family A member 4, Phosphoinositol 3-phosphate-binding protein 1) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PLEKHA4 antibody
PLEKHA4 Antibody (N-term) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the PLEKHA4 antibody detected the PLEKHA4 protein (arrow).



Flow Cytometry (FC/FACS) of anti-PLEKHA4 antibody
PLEKHA4 Antibody (N-term) 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.



Immunohistochemistry (IHC) of anti-PLEKHA4 antibody
PLEKHA4 Antibody (N-term) 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLEKHA4. It may not necessarily be applicable to this product.

NCBI GI #	238859651
NCBI GeneID	57664
NCBI Accession #	NP_065955.2
NCBI Related Accession #	NP_001154826.1
UniProt Primary Accession #	Q9H4M7
UniProt Related Accession #	Q9H4M7
GenBank Nucleotide #	NP_065955.2
NCBI Official Full Name	pleckstrin homology domain-containing family A member 4 isoform 1
NCBI Official Synonym Full Names	pleckstrin homology domain containing A4
NCBI Official Symbol	PLEKHA4
NCBI Official Synonym Symbols	PEPP1
UniProt Protein Name	Pleckstrin homology domain-containing family A member 4
UniProt Synonym Protein Names	Phosphoinositol 3-phosphate-binding protein 1; PEPP-1

Protein Family	Pleckstrin homology domain-containing family
UniProt Gene Name	PLEKHA4
UniProt Synonym Gene Names	PEPP1; PH domain-containing family A member 4; PEPP-1
NCBI Protein Information	pleckstrin homology domain-containing family A member 4
NCBI Summary for PLEKHA4	This gene encodes a pleckstrin homology (PH) domain-containing protein. The PH domain is found near the N-terminus and contains a putative phosphatidylinositol 3, 4, 5-triphosphate-binding motif (PPBM). Elevated expression of this gene has been observed in some melanomas. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2017]
UniProt Comments for PLEKHA4	Binds specifically to phosphatidylinositol 3-phosphate (PtdIns3P), but not to other phosphoinositides.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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