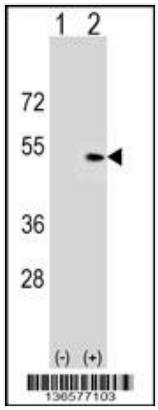
PLEKHA1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PLEKHA1, Polyclonal Antibody
Full Product Name	PLEKHA1 Antibody (Center)
Product Gene Name	anti-PLEKHA1 antibody
Product Synonym Names	Pleckstrin homology domain-containing family A member 1; PH domain-containing family A member 1; Tandem PH domain-containing protein 1; TAPP-1; PLEKHA1; TAPP1
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This PLEKHA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 149-178 amino acids from the Central region of human PLEKHA1.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	PLEKHA1 peptide (MBS9223258) is used for blocking the activity of PLEKHA1 antibody (MBS9212701)
Molecular Weight	45553
Immunogen Sequence Positions	149-178
OMIM	607772
3D Structure	ModBase 3D Structure for Q9HB21
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-PLEKHA1 antibody	Signal Transduction
Applications Tested/Suitable for anti-PLEKHA1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PLEKHA1 antibody	WB~~1:1000
Related Product Information for anti-PLEKHA1 antibody	This gene encodes a pleckstrin homology domain-containing adapter protein. The encoded protein is localized to the plasma membrane where it specifically binds phosphatidylinositol 3,4-bisphosphate. This protein may be involved in the formation of signaling complexes in the plasma membrane. Polymorphisms in this gene are associated with age-related macular degeneration. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 5.

Product References and Citations for anti-PLEKHA1 antibody	Deangelis, M.M., et al. Ophthalmology 115(7):1209-1215(2008) Manna, D., et al. J. Biol. Chem. 282(44):32093-32105(2007) Kanda, A., et al. Proc. Natl. Acad. Sci. U.S.A. 104(41):16227-16232(2007) Leveziel, N., et al. Mol. Vis. 13, 2153-2159 (2007) : Hogan, A., et al. J. Biol. Chem. 279(51):53717-53724(2004)
Other Notes	Small volumes of anti-PLEKHA1 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 PLEKHA1 purchase	MBS9212701 is an antibody targeting PLEKHA1. Also known as PLEKHA1 Antibody (Center). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PLEKHA1 antibody
Western blot analysis of PLEKHA1 (arrow) using rabbit polyclonal PLEKHA1 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PLEKHA1 gene.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLEKHA1. It may not necessarily be applicable to this product.

NCBI GI #	50234893
NCBI GeneID	59338
NCBI Accession #	NP_001001974.1
NCBI Related Accession #	NP_001182537.1; NP_067635.2
UniProt Primary Accession #	Q9HB21
UniProt Secondary Accession #	Q9BVK0; B3KQ55; D3DRE2
UniProt Related Accession #	Q9HB21
GenBank Nucleotide #	NM_001001974.2
NCBI Official Full Name	pleckstrin homology domain-containing family A member 1 isoform 1
NCBI Official Synonym Full Names	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1
NCBI Official Symbol	PLEKHA1
NCBI Official Synonym Symbols	TAPP1
UniProt Protein Name	Pleckstrin homology domain-containing family A member 1
UniProt Synonym Protein Names	Tandem PH domain-containing protein 1; TAPP-1
Protein Family	Pleckstrin homology domain-containing family
UniProt Gene Name	PLEKHA1

UniProt Synonym Gene Names	TAPP1; PH domain-containing family A member 1; TAPP-1
UniProt Entry Name	PKHA1_HUMAN
NCBI Protein Information	pleckstrin homology domain-containing family A member 1
NCBI Summary for PLEKHA1	This gene encodes a pleckstrin homology domain-containing adapter protein. The encoded protein is localized to the plasma membrane where it specifically binds phosphatidylinositol 3,4-bisphosphate. This protein may be involved in the formation of signaling complexes in the plasma membrane. Polymorphisms in this gene are associated with age-related macular degeneration. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 5.[provided by RefSeq, Sep 2010]
UniProt Comments for PLEKHA1	PLEKHA1: Binds specifically to phosphatidylinositol 3,4- diphosphate (PtdIns3,4P2), but not to other phosphoinositides. May recruit other proteins to the plasma membrane. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Lipid-binding Chromosomal Location of Human Ortholog: 10q26.13 Cellular Component: nucleoplasm; cytoplasm; plasma membrane Molecular Function: protein binding; phosphatidylinositol-3,4-bisphosphate binding; PDZ domain binding Biological Process: estrogen metabolic process; phosphoinositide 3-kinase cascade; negative regulation of protein kinase B signaling cascade; multicellular organism growth; androgen metabolic process; platelet-derived growth factor receptor signaling pathway; palate development; post-embryonic development; B cell receptor signaling pathway; establishment of protein localization; Leydig cell differentiation; skeletal morphogenesis; luteinization; ruffle organization and biogenesis; spermatogenesis Disease: Macular Degeneration, Age-related, 1
Research Articles on PLEKHA1	**1.** CX3CR1 (T280M and V249I) and PLEKHA1 (A320T) polymorphisms were not found to be associated with age-related macular degeneration in an Indian population.
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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