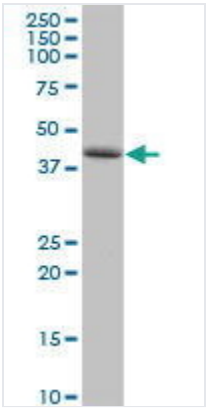
PLEKHA1 Antibody – Rabbit Polyclonal

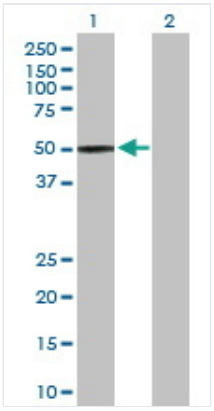
PRODUCT OVERVIEW

Product Name	PLEKHA1, Polyclonal Antibody
Full Product Name	PLEKHA1 (Pleckstrin Homology Domain-containing Family A Member 1, PH Domain-containing Family A Member 1, TAPP1, Tandem PH Domain-containing Protein 1, TAPP-1)
Product Gene Name	anti-PLEKHA1 antibody
Product Synonym Names	Anti -PLEKHA1 (Pleckstrin Homology Domain-containing Family A Member 1, PH Domain-containing Family A Member 1, TAPP1, Tandem PH Domain-containing Protein 1, TAPP-1)
Immunogen Sequence	MPYVDRQNRI CGFLDIEENE NSGKFLRRYF ILDTREDSFV WYMDNPQNLP SGSSRVGAIK LTYISKVSDA TKLRPKAEFC FVMNAGMRKY FLQANDQQDL VEWVNVLNKA IKITVPKQSD SQPNSDNLSR HGECGKKQVS YRTDIVGGVP IITPTQKEEV NECGESIDRN NLKRSQSHLP YFTPKPPQDS AVIKAGYCVK QGAVMKNWKR RYFQLDENTI GYFKSELEKE PLRVIPLKEV HKVQECKQSD IMMRDNLFEI VTTSRTFYVQ ADSPEEMHSW IKAVSGAIVA QRGPGRSASS EHPPGPSESK HAFRPTNAAT ATSHSTASRS NSLVSTFTME KRGFYESLAK VKPGNFKVQT VSPREPASKV TEQALLRPQS KNGPQEKDCD LVDLDDASLP VSDV
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human PLEKHA1. Species Crossreactivity: mouse.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	45,553 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (124134094..124191871). Location: 10q26.13
OMIM	607772
3D Structure	ModBase 3D Structure for Q9HB21
Immunogen	Full length human PLEKHA1, aa1-404 (NP_001001974.1).
Product Categories/Family for anti-PLEKHA1 antibody	Antibodies; Abs to Pleckstrin Homology Proteins
Applications Tested/Suitable for anti-PLEKHA1 antibody	Western Blot (WB)
Application Notes for anti-PLEKHA1 antibody	Suitable for use in Western Blot.
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.

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	MBS6010600 is an antibody targeting PLEKHA1. Also known as PLEKHA1 (Pleckstrin Homology Domain-containing Family A Member 1, PH Domain-containing Family A Member 1, TAPP1, Tandem PH Domain-containing Protein 1, TAPP-1). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-PLEKHA1 antibody
PLEKHA1 rabbit polyclonal antibody. Western Blot analysis of PLEKHA1 expression in mouse kidney.



Western Blot (WB) of anti-PLEKHA1 antibody
Western Blot analysis of PLEKHA1 expression in transfected 293T cell line by PLEKHA1 polyclonal antibody. Lane 1: PLEKHA1 transfected lysate (45.6kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

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

NCBI GI #	307344641
NCBI GeneID	59338
NCBI Accession #	NP_001182537.1
UniProt Primary Accession #	Q9HB21
UniProt Secondary Accession #	Q9BVK0; B3KQ55; D3DRE2
UniProt Related Accession #	Q9HB21
GenBank Nucleotide #	NM_001195608.1
NCBI Official Full Name	pleckstrin homology domain-containing family A member 1 isoform 2
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
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; tandem PH domain-containing protein 1

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.** Observational study of gene-disease association, gene-gene interaction, gene-environment interaction, and genetic testing. (HuGE Navigator)
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