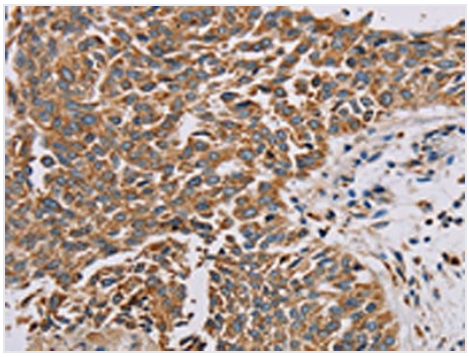
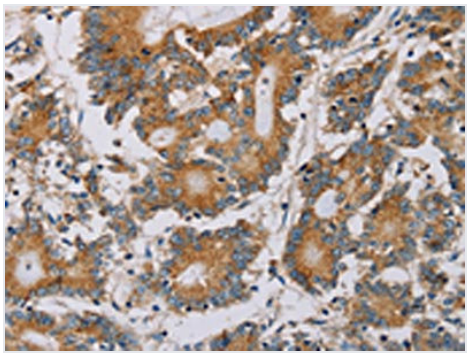
PLEKHG6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

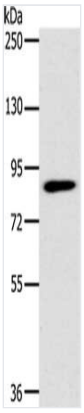
Product Name	PLEKHG6, Polyclonal Antibody
Full Product Name	PLEKHG6 Antibody
Product Gene Name	anti-PLEKHG6 antibody
Product Synonym Names	pleckstrin homology domain containing; family G (with RhoGef domain) member 6
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	35,568 Da
OMIM	AK001527 mRNA
3D Structure	ModBase 3D Structure for Q3KR16
Immunogen	Fusion protein of human PLEKHG6
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-PLEKHG6 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PLEKHG6 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-PLEKHG6 antibody	ELISA: 1:2000-1:5000 WB: 1:500-1:2000 IHC: 1:25-1:100
Related Product Information for anti-PLEKHG6 antibody	MBS7126002 is an antibody targeting PLEKHG6. Also known as PLEKHG6 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-PLEKHG6 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.



Immunohistochemistry (IHC)-Paraffin of anti-PLEKHG6 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using MBS7126002(PLEKHG6 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-PLEKHG6 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using MBS7126002(PLEKHG6 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)



SDS-Page of anti-PLEKHG6 antibody
Gel: 6%SDS-PAGE, Lysate: 40 ug, Lane: 293T cells, Primary antibody: MBS7126002(PLEKHG6 Antibody) at dilution 1/400, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 10 seconds

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLEKHG6. It may not necessarily be applicable to this product.

NCBI GI #	222080068
NCBI GeneID	55200
NCBI Accession #	NP_001138328.1
UniProt Primary Accession #	Q3KR16
UniProt Secondary Accession #	Q3SWR1; Q8N1P1; Q8WYY1; Q9H8F4; Q9NVK9
UniProt Related Accession #	Q3KR16
GenBank Nucleotide #	NM_001144856.1
NCBI Official Full Name	pleckstrin homology domain-containing family G member 6 isoform a
NCBI Official Synonym Full Names	pleckstrin homology and RhoGEF domain containing G6
NCBI Official Symbol	PLEKHG6
NCBI Official Synonym Symbols	MyoGEF
UniProt Protein Name	Pleckstrin homology domain-containing family G member 6
UniProt Synonym Protein Names	Myosin-interacting guanine nucleotide exchange factor; MyoGEF
Protein Family	Pleckstrin homology domain-containing family

UniProt Gene Name	PLEKHG6
UniProt Synonym Gene Names	PH domain-containing family G member 6; MyoGEF
NCBI Protein Information	pleckstrin homology domain-containing family G member 6
UniProt Comments for PLEKHG6	PLEKHG6: Guanine nucleotide exchange factor activating the small GTPase RHOA, which, in turn, induces myosin filament formation. Also activates RHOG. Does not activate RAC1, or to a much lower extent than RHOA and RHOG. Part of a functional unit, involving PLEKHG6, MYH10 and RHOA, at the cleavage furrow to advance furrow ingression during cytokinesis. In epithelial cells, required for the formation of microvilli and membrane ruffles on the apical pole. Along with EZR, required for normal macropinocytosis. 3 isoforms of the human protein are produced by alternative splicing. Protein type: GEF; GEF, Rac/Rho Chromosomal Location of Human Ortholog: 12p13.31 Cellular Component: cleavage furrow; cytoplasm; microvillus; plasma membrane; spindle pole Molecular Function: GTPase activator activity; protein binding; Rho guanyl-nucleotide exchange factor activity Biological Process: positive regulation of GTPase activity; regulation of Rho protein signal transduction
Research Articles on PLEKHG6	**1.** Intramolecular interactions between MyoGEF domains act as an autoinhibitory mechanism for the regulation of MyoGEF functions.
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