

Rabbit anti-Human PLEKHG4 Polyclonal Antibody | anti-PLEKHG4 antibody

PLEKHG4 Antibody

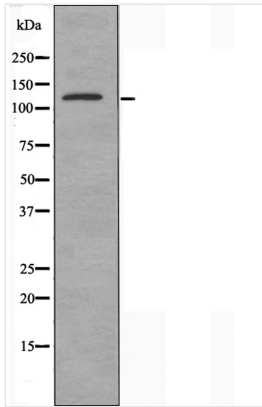
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325012	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

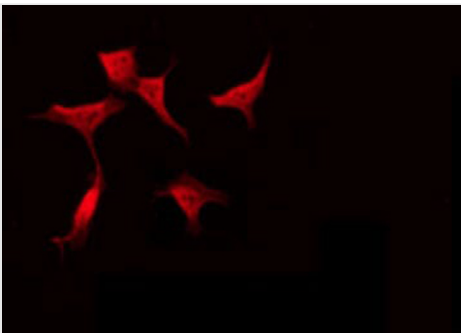
PLEKHG4; Polyclonal Antibody; PLEKHG4 Antibody; ARHGEF44; DKFZp434I216; PH domain containing family G member 4; PH domain-containing family G member 4; PKHG4_HUMAN; Pleckstrin homology and RhoGEF domain containing G4; Pleckstrin homology domain containing family G (with RhoGef domain) member 4; Pleckstrin homology domain containing family G member 4; Pleckstrin homology domain-containing family G member 4; PLEKHG 4; PRTPHN 1; PRTPHN1; Puratrophin 1; Puratrophin-1; Puratrophin1; Purkinje cell atrophy associated protein 1; Purkinje cell atrophy-associated protein 1; SCA 4; SCA4; anti-PLEKHG4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	PLEKHG4 antibody detects endogenous levels of total PLEKHG4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1191
Applicable Applications for anti- PLEKHG4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	Expressed in kidney, Leydig cells in the testis, epithelial cells in the prostate gland and Langerhans islet in the pancreas. Isoform 1 and isoform 3 are strongly expressed in Purkinje cells and to a lower extent in other neurons (at protein level). Widely expressed at low levels. More strongly expressed in testis and pancreas.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (90%), Bovine (90%), Horse (90%), Sheep (80%), Dog (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from K562 cells using PLEKHG4 antibody.



IF (Immunofluorescence)
AAA325012 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti- PLEKHG4 antibody	Function: Possible role in intracellular signaling and cytoskeleton dynamics at the Golgi.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	193211594
NCBI GeneID	25894
NCBI Accession #	NP_001123199.1
NCBI GenBank Nucleotide #	NM_001129727.2
UniProt Accession #	Q58EX7; Q4G0J8; Q4H485; Q56A69; Q9H7K4; Q9UFW0
Molecular Weight	Observed: 135 kD Predicted: 131 kDa
NCBI Official Full Name	puratrophin-1 isoform 1
NCBI Official Synonym Full Names	pleckstrin homology and RhoGEF domain containing G4
NCBI Official Symbol	PLEKHG4
NCBI Official Synonym Symbols	SCA4; PRTPHN1; ARHGEF44
NCBI Protein Information	puratrophin-1
UniProt Protein Name	Puratrophin-1
UniProt Gene Name	PLEKHG4
UniProt Synonym Gene Names	PRTPHN1; PH domain-containing family G member 4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.