

Anti-ARHGEF12 Antibody

Catalog # AP60990

Product Information

Application	WB, IHC
Primary Accession	Q9NZN5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	173232

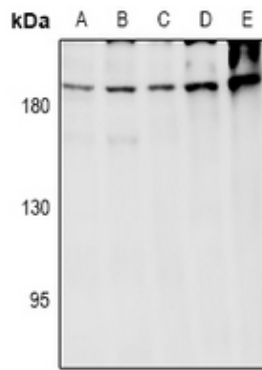
Additional Information

Gene ID	23365
Other Names	KIAA0382; LARG; Rho guanine nucleotide exchange factor 12; Leukemia-associated RhoGEF
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ARHGEF12. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

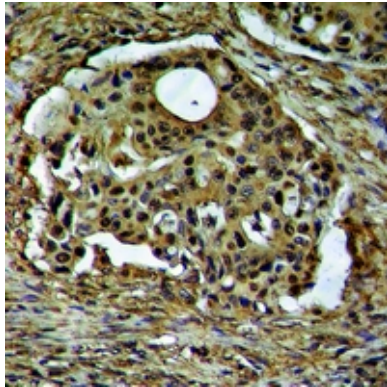
Protein Information

Name	ARHGEF12 (HGNC:14193)
Function	Acts as guanine nucleotide exchange factor (GEF) for RhoA GTPase and may act as GTPase-activating protein (GAP) for GNA12 and GNA13 (PubMed: 11094164). May play a role in the regulation of RhoA GTPase by guanine nucleotide-binding alpha-12 (GNA12) and alpha-13 (GNA13) (PubMed: 11094164). Promotes endothelial cell and actin stress fiber reorientation in response to mechanotransduction (By similarity).
Cellular Location	Cytoplasm. Membrane. Note=Translocated to the membrane upon stimulation.
Tissue Location	Ubiquitously expressed. Isoform 2 is found in jejunum and testis

Images



Western blot analysis of ARHGEF12 expression in A549 (A), LO2 (B), HEK293T (C), CT26 (D), PC12 (E) whole cell lysates. (Predicted band size: 173 kD; Observed band size: 200 kD)



Immunohistochemical analysis of ARHGEF12 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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