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Anti-ARHGEF11 Antibody

Catalog # AP61342

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O15085
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	167704

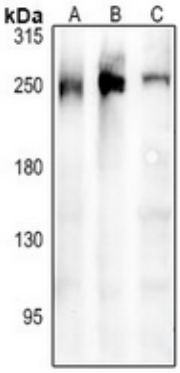
Additional Information

Gene ID	9826
Other Names	KIAA0380; Rho guanine nucleotide exchange factor 11; PDZ-RhoGEF
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ARHGEF11. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
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

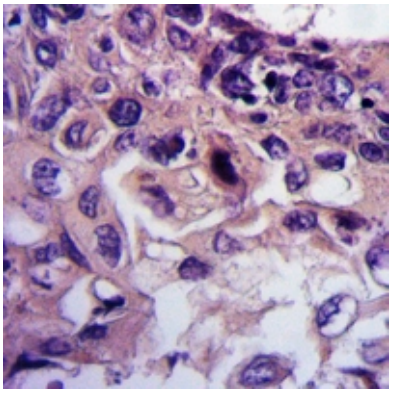
Protein Information

Name	ARHGEF11
Synonyms	KIAA0380
Function	May play a role in the regulation of RhoA GTPase by guanine nucleotide-binding alpha-12 (GNA12) and alpha-13 (GNA13). Acts as guanine nucleotide exchange factor (GEF) for RhoA GTPase and may act as GTPase-activating protein (GAP) for GNA12 and GNA13. Involved in neurotrophin-induced neurite outgrowth.
Cellular Location	Cytoplasm. Membrane. Note=Translocated to the membrane upon stimulation
Tissue Location	Ubiquitously expressed.

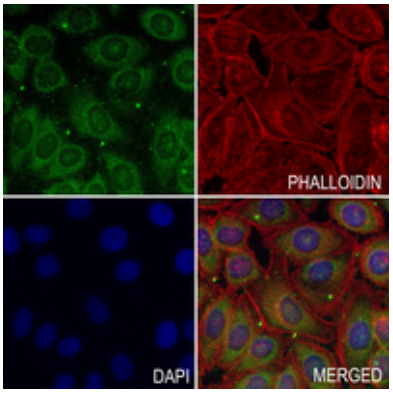
Images



Western blot analysis of ARHGEF11 expression in Raw264.7 (A), HepG2 (B), MCF7 (C) whole cell lysates. (Predicted band size: 167 kD; Observed band size: 250 kD)



Immunohistochemical analysis of ARHGEF11 staining in human lung 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.



Immunofluorescent analysis of ARHGEF11 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.