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Anti-RGL1 Antibody

Catalog # AP51829

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9NZL6
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86701

Additional Information

Gene ID	23179
Other Names	KIAA0959; RGL; Ral guanine nucleotide dissociation stimulator-like 1; RalGDS-like 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RGL1. 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

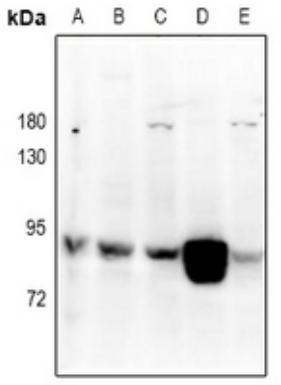
Name	RGL1
Synonyms	KIAA0959, RGL
Function	Probable guanine nucleotide exchange factor.
Tissue Location	Expressed in a wide variety of tissues with strong expression being seen in the heart, brain, kidney, spleen and testis

References

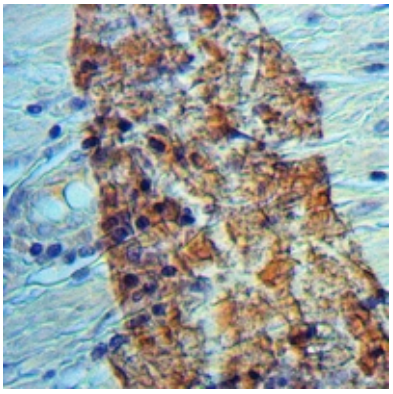
Sood R.,et al.Biochim. Biophys. Acta 1491:285-288(2000).
Nagase T.,et al.DNA Res. 6:63-70(1999).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Bechtel S.,et al.BMC Genomics 8:399-399(2007).

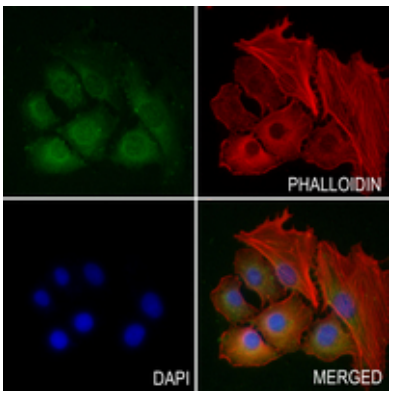
Images



Western blot analysis of RGL1 expression in 3T3L1 (A), H9C2 (B), PC3 (C), LOVO (D), HCT116 (E) whole cell lysates. (Predicted band size: 86 kD; Observed band size: 87 kD)



Immunohistochemical analysis of RGL1 staining in human prostate 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 RGL1 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).