

ARHGEF18 polyclonal antibody

Catalog # PAB6523 Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ARHGEF18.
Immunogen	A synthetic peptide corresponding to C-terminus of human ARHGEF18.
Sequence	C-SAKEDASKEDVIFF
Host	Goat
Theoretical MW (kDa)	114, 131
Reactivity	Dog, Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:4000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunocytochemistry

- Immunofluorescence
- Immunoprecipitation
- Enzyme-linked Immunoabsorbent Assay

Gene Info — ARHGEF18

Entrez GeneID [23370](#)

Protein Accession# [NP_056133.2;NP_001124427.1](#)

Gene Name ARHGEF18

Gene Alias KIAA0521, MGC15913, P114-RhoGEF

Gene Description rho/rac guanine nucleotide exchange factor (GEF) 18

Gene Ontology [Hyperlink](#)

Gene Summary Rho GTPases are GTP binding proteins that regulate a wide spectrum of cellular functions. These cellular processes include cytoskeletal rearrangements, gene transcription, cell growth and motility. Activation of Rho GTPases is under the direct control of guanine nucleotide exchange factors (GEFs). The protein encoded by this gene is a guanine nucleotide exchange factor and belongs to the Rho GTPase GFE family. Family members share a common feature, a Dbl (DH) homology domain followed by a pleckstrin (PH) homology domain. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations P114-RHO-GEF|Rho-specific guanine nucleotide exchange factor p114

Publication Reference

- [Expression of p114RhoGEF predicts lymph node metastasis and poor survival of squamous-cell lung carcinoma patients.](#)

Song C, Gao Y, Tian Y, Han X, Chen Y, Tian DL.

Tumour Biology 2013 Jun; 34(3):1925.

Application: IHC-P, Human, Lung

- [Identification and characterization of a novel Rho-specific guanine nucleotide exchange factor.](#)

Blomquist A, Schworer G, Schablowski H, Psoma A, Lehnen M, Jakobs KH, Rumenapp U.

The Biochemical Journal 2000 Dec; 352 Pt2:319.