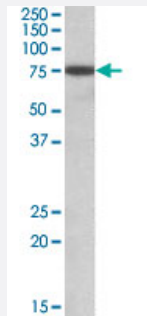


RACGAP1 polyclonal antibody

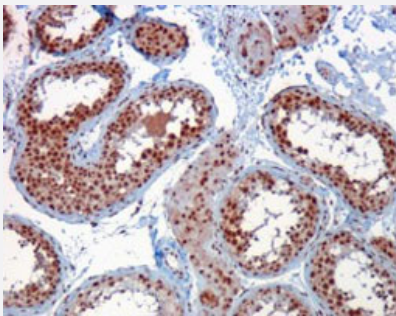
Catalog # PAB6112 Size 100 ug

Applications



Western Blot (Cell lysate)

RACGAP1 polyclonal antibody (Cat # PAB6112)(1ug/mL) staining of lysate of cell line K-562 (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

RACGAP1 polyclonal antibody (Cat # PAB6112) staining (1 ug/mL) of paraffin embedded human testis. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of RACGAP1.
Immunogen	A synthetic peptide corresponding to C-terminus of human RACGAP1.
Sequence	C-GRQGNFFASPMK
Host	Goat
Theoretical MW (kDa)	71
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western Blot (1-3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1 ug/mL) 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 (Cell lysate)

RACGAP1 polyclonal antibody (Cat # PAB6112)(1ug/mL) staining of lysate of cell line K-562 (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

RACGAP1 polyclonal antibody (Cat # PAB6112) staining (1 ug/mL) of paraffin embedded human testis. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — RACGAP1

Entrez GeneID	29127
Protein Accession#	NP_037409.2 ; NP_001119576.1 ; NP_001119575.1
Gene Name	RACGAP1
Gene Alias	HsCYK-4, ID-GAP, MgcRacGAP
Gene Description	Rac GTPase activating protein 1
Omim ID	604980
Gene Ontology	Hyperlink

Gene Summary

Rho GTPases control a variety of cellular processes. There are 3 subtypes of Rho GTPases in the Ras superfamily of small G proteins: RHO (see MIM 165370), RAC (see RAC1; MIM 602048), and CDC42 (MIM 116952). GTPase-activating proteins (GAPs) bind activated forms of Rho GTPases and stimulate GTP hydrolysis. Through this catalytic function, Rho GAPs negatively regulate Rho-mediated signals. GAPs may also serve as effector molecules and play a role in signaling downstream of Rho and other Ras-like GTPases.[supplied by OMIM]

Other Designations

GTPase activating protein

Publication Reference

- [Centralspindlin regulates ECT2 and RhoA accumulation at the equatorial cortex during cytokinesis.](#)

Nishimura Y, Yonemura S.

Journal of Cell Science 2005 Dec; 119(Pt 1):104.

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)