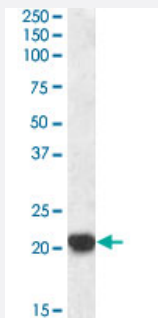


RAC2 polyclonal antibody

Catalog # PAB6111

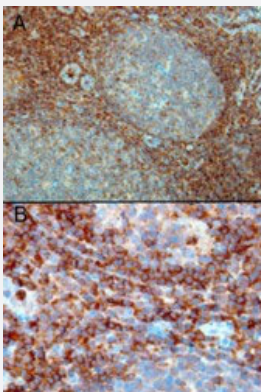
Size 100 ug

Applications



Western Blot (Tissue lysate)

RAC2 polyclonal antibody (Cat # PAB6111) staining (0.3 ug/mL) of human tonsil lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



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

RAC2 polyclonal antibody (Cat # PAB6111) staining (0.3 ug/mL) of paraffin embedded human tonsil. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining. A) Strong staining in the interfollicular area and mantle zone. B) Positive cells in the interfollicular area.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of RAC2.
Immunogen	A synthetic peptide corresponding to human RAC2.
Sequence	PQPTRQQKRACSL
Host	Goat
Theoretical MW (kDa)	21.4
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) Western Blot (1-3 ug/mL) Immunohistochemistry (0.3 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

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — RAC2

Entrez GeneID	5880
Protein Accession#	NP_002863.1
Gene Name	RAC2
Gene Alias	EN-7, Gx, HSPC022
Gene Description	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)

Omim ID	602049 608203
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins. Members of this superfamily appear to regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases. [provided by RefSeq]
Other Designations	Ras-related C3 botulinum toxin substrate 3 (rho family, small GTP-binding protein Rac2) ras-related C3 botulinum toxin substrate 2 rho family, small GTP binding protein Rac2 small G protein

Publication Reference

- [A hemopoietic specific gene encoding a small GTP binding protein is overexpressed during T cell activation.](#)

Reibel L, Dorseuil O, Stancou R, Bertoglio J, Gacon G.

Biochemical and Biophysical Research Communications 1991 Mar; 175(2):451.

Pathway

- [Adherens junction](#)
- [Axon guidance](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Colorectal cancer](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [MAPK signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)

- [Regulation of actin cytoskeleton](#)
- [VEGF signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Occupational Diseases](#)
- [Parkinson disease](#)