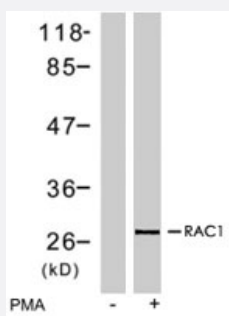


RAC1 (phospho S71) polyclonal antibody

Catalog # PAB7743 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells treated with PMA, using RAC1 (phospho S71) polyclonal antibody (Cat # PAB7743).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of RAC1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S71 of human RAC1.
Host	Rabbit
Theoretical MW (kDa)	28
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Immunoaffinity purification
Concentration	1 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 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)

Western blot analysis of extracts from 293 cells treated with PMA, using RAC1 (phospho S71) polyclonal antibody (Cat # PAB7743).

Gene Info — RAC1

Entrez GeneID[5879](#)**Protein Accession#**[P63000](#)**Gene Name**

RAC1

Gene Alias

MGC111543, MIG5, TC-25, p21-Rac1

Gene Description

ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)

Omim ID[602048](#)**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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

migration-inducing gene 5|migration-inducing protein 5|ras-related C3 botulinum toxin substrate 1|ras-related C3 botulinum toxin substrate 1 isoform Rac1|ras-related C3 botulinum toxin substrate 1 isoform Rac1b|rho family, small GTP binding protein Rac1

Pathway

- [Adherens junction](#)
- [Amyotrophic lateral sclerosis \(ALS\)](#)

- [Axon guidance](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Colorectal cancer](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [MAPK signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [Toll-like receptor signaling pathway](#)
- [VEGF signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Angina Pectoris](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Coronary Vasospasm](#)
- [Genetic Predisposition to Disease](#)

- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mental Retardation](#)
- [Occupational Diseases](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)