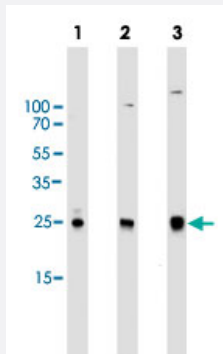


RAC1 monoclonal antibody, clone 1301CT276.121.104

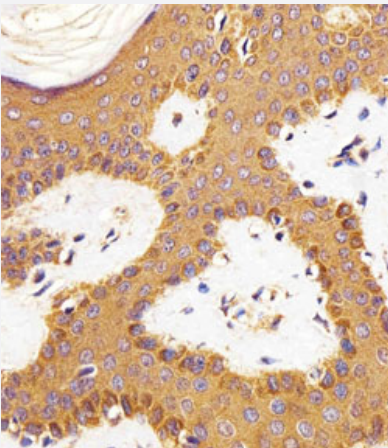
Catalog # MAB12358 Size 400 uL

Applications



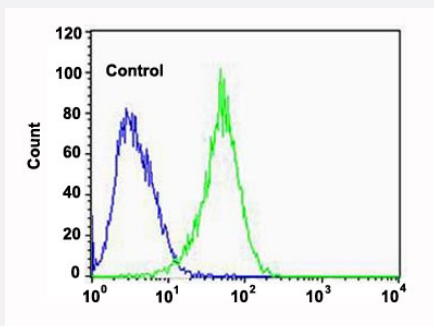
Western Blot (Cell lysate)

Western blot analysis of Lane 1: A431 cell line lysates Lane 2: mouse NIH/3T3 cell line lysates Lane 3: rat C6 cell line lysates reacted with RAC1 monoclonal antibody (Cat # MAB12358) at 1:1000 dilution.



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

Immunohistochemical staining of paraffin-embedded human skin section reacted with RAC1 monoclonal antibody (Cat # MAB12358) at 1:25 dilution.



Flow Cytometry

Flow cytometric analysis of U-87 MG cells (green histogram) and an isotype control of mouse IgG2b (blue histogram) reacted with RAC1 monoclonal antibody (Cat # MAB12358) at 1:100 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human RAC1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to human RAC1.
Host	Mouse
Reactivity	Human, Rat
Form	Liquid
Purification	Protein G purification
Isotype	IgG2b
Recommend Usage	Flow Cytometry (1:100) Immunohistochemistry (1:25) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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 Lane 1: A431 cell line lysates Lane 2: mouse NIH/3T3 cell line lysates Lane 3: rat C6 cell line lysates reacted with RAC1 monoclonal antibody (Cat # MAB12358) at 1:1000 dilution.

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

Immunohistochemical staining of paraffin-embedded human skin section reacted with RAC1 monoclonal antibody (Cat # MAB12358) at 1:25 dilution.

- Flow Cytometry

Flow cytometric analysis of U-87 MG cells (green histogram) and an isotype control of mouse IgG2b (blue histogram) reacted with RAC1 monoclonal antibody (Cat # MAB12358) at 1:100 dilution.

Gene Info — RAC1

Entrez GeneID	5879
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

Publication Reference

- [The actin cytoskeleton is important for rotavirus internalization and RNA genome replication.](#)

Trejo-Cerro O, Aguilar-Hernández N, Silva-Ayala D, López S, Arias CF.

Virus Research 2019 Jan; 263:27.

Application: WB-Tr, Monkey, MA104 cells

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](#)