

Mouse anti-Human Rac1,2,3 Monoclonal Antibody | anti-Rac1 antibody

Rac1,2,3

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48352	Mouse	Human	Flow Cytometry, Functional Assay, Western Blot, ELISA

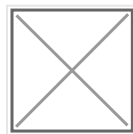
PRODUCT SYNONYMS

Rac1; 2; 3; Monoclonal Antibody; Ras-related C3 botulinum toxin substrate 1 isoform Rac1; RAC1; p21-Rac1; Ras-like protein TC25; Cell migration-inducing gene 5 protein; Ras-related C3 botulinum toxin substrate 1; Ras-related C3 botulinum toxin substrate 1 isoform Rac1 MGC111543; MIG 5; MIG5; Migration inducing gene 5; Migration inducing protein 5; p21 Rac1; Rac 1; Ras like protein TC25; Ras related C3 botulinum toxin substrate 1; Rho family small GTP binding protein Rac1; TC 25; Ras-related C3 botulinum toxin substrate 2.; EN-7; Gx; HSPC022; Ras-related C3 botulinum toxin substrate 2; EN 7; EN7; HSPC 022; p21 Rac 2; p21 Rac2; p21Rac2; RAC 2; Ras related C3 botulinum toxin substrate 2; Ras related C3 botulinum toxin substrate 3; Rho family small GTP binding protein Rac 2; Rho family small GTP binding protein Rac2; Small G protein; as-related C3 botulinum toxin substrate 3; p21-Rac3; Rac1B; RAS related C3 botulinum substrate 3; rho family small GTP binding protein Rac3; Rho family small GTP binding protein Rac3; RP23-84C12.18; anti-Rac1 antibody

PRODUCT SPECIFICATIONS

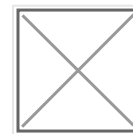
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	AT2G10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	192
Applicable Applications for anti-Rac1 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human RAC2 (1-189aa) protein purified from E. coli
Conjugation	Unconjugated
Preparation and Storage	Can be stored at 2 degree C to 8 degree C for 1 week. For long term storage, aliquot and store at -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry analysis of Rac1,2,3 in Jurkat cells. The cell was stained at 2-5ug for 1x10⁶ cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



WB (Western Blot)

The recombinant proteins (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Rac1,2,3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant human Rac 1 protein Lane 2.: Recombinant human Rac 2 protein Lane 3.: Recombinant human Rac 3 protein

ADDITIONAL INFORMATION

Related Product Information for anti-Rac1 antibody	Rac is a subfamily of the Rho family of GTPases, small (~21 kDa) signaling G proteins (more specifically a GTPase). When bound to GTP, Rac is activated. In its activated state, Rac participates in the regulation of cell movement, through its involvement in structural changes to the actin Cytoskeleton. Rac is small GTPases that have been linked to multiple human cancers and are implicated in epithelial to mesenchymal transition, cell-cycle progression,migration/invasion, tumor growth, angiogenesis, and oncogenic transformation.
Product Categories/Family for anti-Rac1 antibody	Cancer; Epigenetics and Nuclear Signaling; Immunology; Signal Transduction
References	Ridley AJ. (2006). Trends Cell Biol. 16(10):522-529.; Maldonado MDM., et al. (2018). Cancer Res. 15; 78(12):3101-3111.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506381
NCBI GeneID	5880
NCBI Accession #	NP_002863
NCBI GenBank Nucleotide #	NP_002863.1
UniProt Accession #	P15153
NCBI Official Full Name	ras-related C3 botulinum toxin substrate 2
NCBI Official Synonym Full Names	Rac family small GTPase 2
NCBI Official Symbol	RAC2
NCBI Official Synonym Symbols	Gx; EN-7; HSPC022; p21-Rac2
NCBI Protein Information	ras-related C3 botulinum toxin substrate 2
UniProt Protein Name	Ras-related C3 botulinum toxin substrate 2
UniProt Gene Name	RAC2
UniProt Entry Name	RAC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/rac1-2-3-antibody-clone-at2g10-flow-cytometry-western-blot-elisa/48352>