

Rabbit Rac1-2-3 Monoclonal Antibody | anti-RAC1 antibody

Rac1-2-3 Antibody

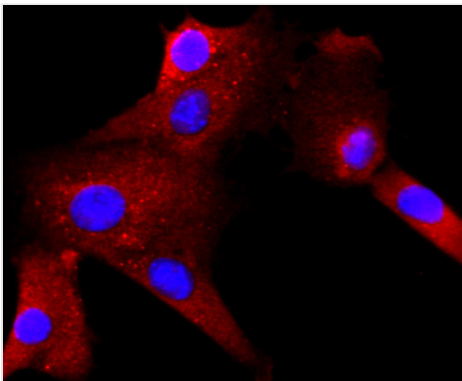
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30334	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

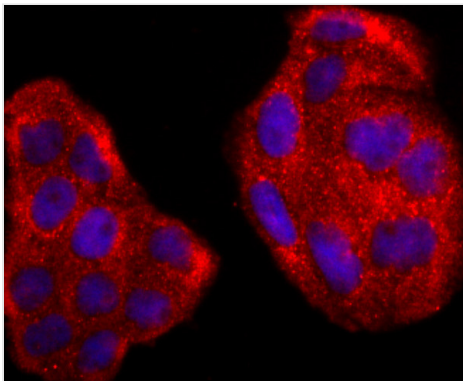
Rac1-2-3; Monoclonal Antibody; Rac1-2-3 Antibody; Cell migration inducing gene 5 protein antibody; EN 7 antibody; OTTMUSP00000004488 antibody; p21 Rac3 antibody; p21-Rac3 antibody; Rac1B antibody; RAC3 antibody; RAC3_HUMAN antibody; RAS related C3 botulinum substrate 3 antibody; Ras related C3 botulinum toxin substrate 3 (rho family small GTP binding protein Rac3) antibody; Ras related C3 botulinum toxin substrate 3 (rho family; small GTP binding protein Rac3) antibody; Ras-related C3 botulinum toxin substrate 3 antibody; Rho family small GTP binding protein Rac3 antibody; RP23-84C12.18 antibody; EN-7 antibody; EN7 antibody; GX antibody; HSPC 022 antibody; HSPC022 antibody; p21 Rac 2 antibody; p21 Rac2 antibody; p21-Rac2 antibody; p21Rac2 antibody; RAC 2 antibody; Rac2 antibody; RAC2_HUMAN antibody; Ras related C3 botulinum toxin substrate 2 (rho family; small GTP binding protein Rac2) antibody; Ras related C3 botulinum toxin substrate 2 antibody; small GTP binding protein Rac2) antibody; Ras related C3 botulinum toxin substrate 3 antibody; Ras-related C3 botulinum toxin substrate 2 antibody; Rho family small GTP binding protein Rac 2 antibody; Rho family small GTP binding protein Rac2 antibody; Small G protein antibody; Cell migration-inducing gene 5 protein antibody; MGC111543 antibody; MIG5 antibody; Migration inducing gene 5 antibody; Migration inducing protein 5 antibody; p21 Rac1 antibody; p21-Rac1 antibody; Rac 1 antibody; RAC1 antibody; RAC1_HUMAN antibody; Ras like protein TC25 antibody; Ras related C3 botulinum toxin substrate 1 (rho family; small GTP binding protein Rac1) antibody; Ras-like protein TC25 antibody; Ras-related C3 botulinum toxin substrate 1 antibody; Rho family small GTP binding protein Rac1 antibody; TC 25 antibody; TC25 antibody; anti-RAC1 antibody

PRODUCT SPECIFICATIONS

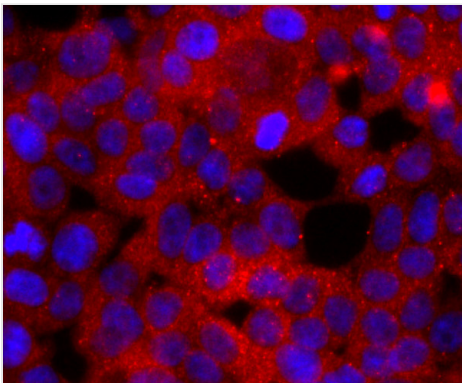
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JM11-29
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-RAC1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.



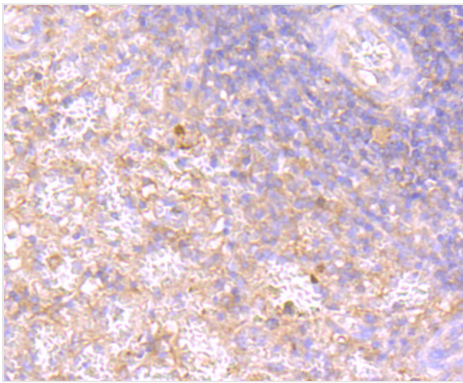
ICC (Immunocytochemistry)
ICC staining RAC1/2/3 in NIH-3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



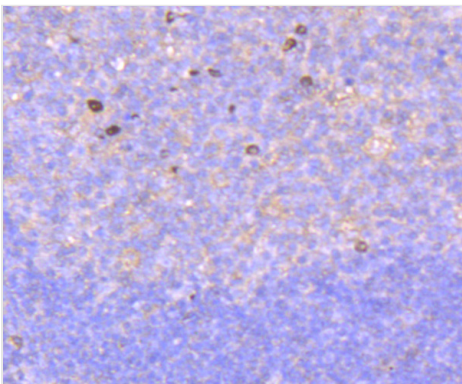
ICC (Immunocytochemistry)
ICC staining RAC1/2/3 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



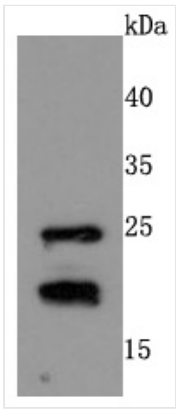
ICC (Immunocytochemistry)
ICC staining RAC1/2/3 in 293T cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-RAC1/2/3 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-RAC1/2/3 antibody. Counter stained with hematoxylin.



WB (Western Blot)
Western blot analysis of RAC1/2/3 on MCF-7 cells lysates using anti-RAC1/2/3 antibody at 1/500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-RAC1 antibody	Plasma membrane-associated small GTPase which cycles between active GTP-bound and inactive GDP-bound states. In its active state, binds to a variety of effector proteins to regulate cellular responses such as secretory processes, phagocytosis of apoptotic cells, epithelial cell polarization and growth-factor induced formation of membrane ruffles. Rac1 p21/rho GDI heterodimer is the active component of the cytosolic factor sigma 1, which is involved in stimulation of the NADPH oxidase activity in macrophages (By similarity). Essential for the SPATA13-mediated regulation of cell migration and adhesion assembly and disassembly. Isoform B has an accelerated GEF-independent GDP/GTP exchange and an impaired GTP hydrolysis, which is restored partially by GTPase-activating proteins. It is able to bind to the GTPase-binding domain of PAK but not full-length PAK in a GTP-dependent manner, suggesting that the insertion does not completely abolish effector interaction.
Product Categories/Family for anti-RAC1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	51702787
NCBI GeneID	5879
UniProt Accession #	P63000; O95501; P15154; Q3Y4D3; Q5JAA8; Q9BTB4; AAB22206
Molecular Weight	192
NCBI Official Full Name	Ras-related C3 botulinum toxin substrate 1
NCBI Official Synonym Full Names	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
NCBI Official Symbol	RAC1
NCBI Official Synonym Symbols	MIG5; Rac-1; TC-25; p21-Rac1
NCBI Protein Information	ras-related C3 botulinum toxin substrate 1; ras-like protein TC25; cell migration-inducing gene 5 protein
UniProt Protein Name	Ras-related C3 botulinum toxin substrate 1
UniProt Gene Name	RAC1
UniProt Synonym Gene Names	TC25
UniProt Entry Name	RAC1_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://www.aaabiotech.com/monoclonal/rac1-2-3-antibody-clone-jm11-29-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-elisa/30334>