Rac1-2-3 Conjugated Antibody

Catalog No: #C49493

Package Size: #C49493-AF350 100ul #C49493-AF405 100ul #C49493-AF488 100ul #C49493-AF555 100ul #C49493-AF594 100ul #C49493-AF647 100ul #C49493-AF680 100ul #C49493-AF750 100ul #C49493-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Rac1-2-3 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	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 Ras related C3 botulinum toxin substrate 3 (rho family, 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
Accession No.	Swiss-Prot#:P63000
Uniprot	P63000
GeneID	5879;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm

Calculated MW	21/24 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

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.

Note: This product is for in vitro research use only