

DATASHEET

RAC1/2/3 Rabbit Monoclonal Antibody(C1530)

CAT. NO. AMA01142

KEY FEATURES

Target	RAC1/2/3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.	Storage	at-20°C

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, neurons adhesion, migration and differentiation, 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. Essential for the SPATA13-mediated regulation of cell migration and adhesion assembly and disassembly. Stimulates PKN2 kinase activity.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

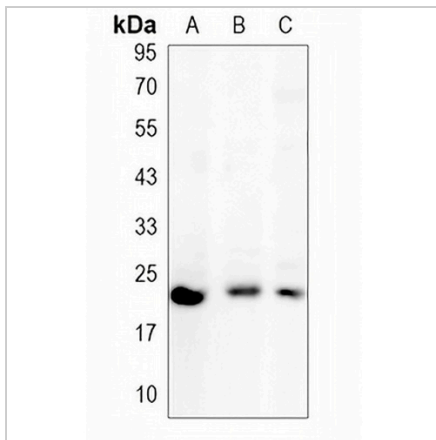
Description	Recombinant rabbit monoclonal antibody to RAC1/2/3
Specificity	Recognizes endogenous levels of RAC1/2/3 protein
Antibody Type	Primary antibody, Recombinant
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence of human RAC1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 21 kD; Observed: 21 kD
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Alternative Names	RAC1; TC25; MIG5; Ras-related C3 botulinum toxin substrate 1; Cell migration-inducing gene 5 protein; Ras-like protein TC25; p21-Rac1; RAC2; Ras-related C3 botulinum toxin substrate 2; GX; Small G protein; p21-Rac2; RAC3; Ras-related C3 botulinum toxin substrate 3; p21-Rac3; CDC42; Cell division control protein 42 homolog; G25K GTP-binding protein
Gene Symbol	RAC1; RAC2; RAC3
Entrez Gene	5879; 5880; 5881; 998(Human); 19353; 19354; 170758; 12540(Mouse); 363875; 64465(Rat)
SwissProt	P63000; P15153; P60763(Human); P63001; Q05144; P60764; P60766(Mouse); Q6RUV5; Q8CFN2(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of RAC1/2/3 expression in Hela (A), mouse kidney (B), rat kidney (C) whole cell lysates. (Predicted band size: 21 kD; Observed band size: 21 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.