

KD-Validated Anti-RAC3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1077

Product Information

Application	WB, FC, ICC
Primary Accession	P60763
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 2175
Calculated MW	21379
Gene Name	RAC3
Aliases	RAC3; Rac Family Small GTPase 3; Ras-Related C3 Botulinum Toxin Substrate 3 (Rho Family, Small GTP Binding Protein Rac3); Ras-Related C3 Botulinum Toxin Substrate 3; P21-Rac3; Rho Family, Small GTP Binding Protein Rac3; EC 3.6.5.2
Immunogen	A synthesized peptide derived from human RAC3

Additional Information

Gene ID	5881
Other Names	Ras-related C3 botulinum toxin substrate 3, 3.6.5.2, p21-Rac3, RAC3 (HGNC:9803)

Protein Information

Name	RAC3 (HGNC:9803)
Function	Plasma membrane-associated small GTPase which cycles between an active GTP-bound and inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses, such as cell spreading and the formation of actin-based protrusions including lamellipodia and membrane ruffles. Promotes cell adhesion and spreading on fibrinogen in a CIB1 and alpha-IIb/beta3 integrin-mediated manner.
Cellular Location	Cytoplasm. Endomembrane system. Cell projection, lamellipodium. Cytoplasm, perinuclear region. Cell membrane. Cytoplasm, cytoskeleton Note=Membrane-associated when activated. Localizes to actin-based membrane ruffles (PubMed:15107133). Colocalizes with NRBP to endomembranes and at the cell periphery in lamellipodia. Colocalized with CIB1 in the perinuclear area and at the cell periphery
Tissue Location	Highest levels in brain, also detected in heart, placenta and pancreas