10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RAC3 Antibody

Rabbit mAb
Catalog # AP93229

Product Information

Application	WB, IHC
Primary Accession	P60763
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Rac1B; RAC3;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	21379

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human RAC3
Description	Plasma membrane-associated small GTPase which cycles between an active GTP-bound and inactive GDP-bound state.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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 protusions 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

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