



RAC2 Monoclonal Antibody

[MIM:608203].,enzyme regulation:Regulated by guanine nucleotide exchange factors (GEFs) which promote the exchange of bound GDP for free GTP, GTPase activating proteins (GAPs) which increase the GTP hydrolysis activity, and GDP dissociation inhibitors which inhibit the dissociation of the nucleotide from the GTPase.,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 secretory processes, phagocytose of apoptotic cells and epithelial cell		
Reactivity Human; Mouse; Bovine; Bovine Applications WB Gene Name RAC2 Protein Name Ras-related C3 botulinum toxin substrate 2 (GX) (Small G protein) (p21-Rac2) Immunogen Synthesized peptide derived from human protein . at AA range: 130-210 Specificity RAC2 Monoclonal Antibody detects endogenous levels of protein. Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity 290% Storage Stability -20°C/1 year Synonyms Observed Band 21kD Cell Pathway Cytoplasm. Membrane-associated when activated. Tissue Specificity Hematopoietic specific. Function disease: Defects in RAC2 are the cause of neutrophil immunodeficiency syndrome [MIM:608203], enzyme regulation: Regulated by guarnine nucleotide exchange factors (GEFs) which promote the exchange of bound GDP for free GTP, GTPass activating proteins (GAPs) which increase the GTP hydrolysis activity, and GDP dissociation inhibitors which inhibit the dissociation of the nucleotide from the GTPase, 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 secretory processes, phagocytose of apoptotic cells and epithalia cell polarization. Seems to be involved in the regulation of the NADPH oxidase, online information:RAC2 mutation db, similarity:Belongs to the small GTPase	Catalog No	BYmab-06033
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Background	This gene encodes a member of the Ras superfamily of small guanosine triphosphate (GTP)-metabolizing proteins. The encoded protein localizes to the plasma membrane, where it regulates diverse processes, such as secretion, phagocytosis, and cell polarization. Activity of this protein is also involved in the generation of reactive oxygen species. Mutations in this gene are associated with neutrophil immunodeficiency syndrome. There is a pseudogene for this gene on chromosome 6. [provided by RefSeq, Jul 2013],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images Western Blot analysis of various cells using RAC2 1 Monoclonal Antibody kDa 180 --140 ---100 --75 ---60 --45 --35 ---25 ---RAC2 15 --10 --

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