



RAC2 Polyclonal Antibody

Catalog No	YP-Ab-06033
Isotype	IgG
Reactivity	Human;Mouse;Bovine;Bovine
Applications	WB;ELISA
Gene Name	RAC2
Immunogen	Synthesized peptide derived from human protein . at AA range: 130-210
Specificity	RAC2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	4C2H6;Gx;HSPC022;p21 Rac2;p21-Rac2;RAC2;Ras-related C3 botulinum toxin substrate 2 (GX) (Small G protein) (p21-Rac2)
Observed Band	21kD
Calculated Molecular Weight	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 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, phagocytosis of apoptotic cells and epithelial cell polarization. Seems to be involved in the regulation of the NADPH oxidase.,online information:RAC2 mutation db,similarity:Belongs to the small GTPase superfamily. Rho family.,subcellular location:Membrane-associated



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],

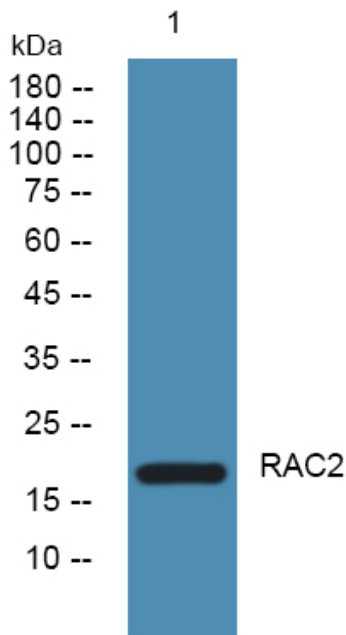
matters needing attention

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 lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night