RAC2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RAC2, Polyclonal Antibody
Full Product Name	RAC2 Polyclonal Antibody
Product Gene Name	anti-RAC2 antibody
Product Synonym Names	Ras-related C3 botulinum toxin substrate 2; GX; Small G protein; p21-Rac2; RAC2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	21
OMIM	602049
3D Structure	ModBase 3D Structure for P15153
Immunogen	Synthesized peptide derived from human protein. at AA range: 130-210
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RAC2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-RAC2 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-RAC2 antibody	MBS8530516 is an antibody targeting RAC2. Also known as RAC2 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-RAC2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAC2. It may not necessarily be applicable to this product.

NCBI GI #	4506381
NCBI GeneID	5880
NCBI Accession #	NP_002863.1
UniProt Primary Accession #	P15153
UniProt Secondary Accession #	Q9UDJ4
UniProt Related Accession #	P15153
GenBank Nucleotide #	NM_002872.4

NCBI Official Full Name	ras-related C3 botulinum toxin substrate 2
NCBI Official Synonym Full Names	Rac family small GTPase 2
NCBI Official Symbol	RAC2
NCBI Official Synonym Symbols	Gx; EN-7; HSPC022; p21-Rac2
UniProt Protein Name	Ras-related C3 botulinum toxin substrate 2
UniProt Synonym Protein Names	GX; Small G protein; p21-Rac2
Protein Family	Rac-like GTP-binding protein
UniProt Gene Name	RAC2
NCBI Protein Information	ras-related C3 botulinum toxin substrate 2
NCBI Summary for RAC2	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]
UniProt Comments for RAC2	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 polarization. Augments the production of reactive oxygen species (ROS) by NADPH oxidase.
Research Articles on RAC2	**1.** We found both the rs229527 allele within C1QTNF6 (odds ratio [OR] = 1.23, confidence interval [95% CI]: 1.12-1.33, pAllelic = 4.60 . 10-6) and the rs2284038 allele within RAC2 (OR = 1.10, 95% CI: 1.01-0.19, pAllelic = 3.00 . 10-2) showed significant associations with Graves' Disease susceptibility.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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