



Anti-RAC2 (full length) polyclonal antibody (DPAB-DC2653)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	RAC2 (AAH01485.1, 1 a.a. ~ 192 a.a) full-length recombinant protein with GST tag. The sequence is MQAIKCVVVGDGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDSKPVNLGLWDTAG QEDYDRLRPLSYPQTDVFPLICFSLVSPASYENVRAKWFPEVRHHCPSTPIILVGTKLDR DDKDTIEKLKEKKLAPITYPQGLALAKEIDSVKYLECSALTQRGLKTVFDEAIRAVLCPQ PTRQQKRACSLL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	RAC2 ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2) [Homo sapiens (human)]
Official Symbol	RAC2
Synonyms	RAC2; ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2); Gx; EN-7; HSPC022; p21-Rac2; ras-related C3 botulinum toxin substrate 2; small G protein; Ras-related C3 botulinum toxin substrate 3 (rho family, small GTP-binding protein Rac2);
Entrez Gene ID	5880
Protein Refseq	NP_002863
UniProt ID	A0A024R1P2
Chromosome Location	22q13.1
Pathway	Adherens junction; Axon guidance; B cell receptor signaling pathway; Chemokine signaling pathway
Function	GTP binding; GTPase activity;