



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

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

PRODUCT INFORMATION

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| 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 MQAIKCVVVG DGAVGKTCLLSYTTNAFPGEYIPTVFDNYSANVMVDSKPVNLGLWDTAG QEDYDRLRPLSYPTDVF LICFSLVSPASYENVRAKWFPEVRHHCPSTPIILVGTKLDLR DDKDTIEKLKEKKLAPITYPQGLALAKEIDSVKYLECSALTQRGLKTVFDEAIRAVLCPQ PTRQQKRACSL |
| 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

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| 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; |