



Anti-RHOC (aa 91-190) polyclonal antibody (DPAB-DC1813)

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 Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The protein encoded by this gene is prenylated at its C-terminus, and localizes to the cytoplasm and plasma membrane. It is thought to be important in cell locomotion. Overexpression of this gene is associated with tumor cell proliferation and metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified. |
| Immunogen | RHOC (NP_786886, 91 a.a. ~ 190 a.a) partial recombinant protein with GST tag. The sequence is SLENIPEKWTPEVKHFPCNPVPIILVGNKKDLRQDEHTRRELAKMKQEPVRSEEGRDMANR ISAFGYLECSAKTKEGVREVFEMATRAGLQVRKNKRRRG |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Recombinant protein), 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 | RHOC ras homolog family member C [Homo sapiens (human)] |
| Official Symbol | RHOC |
| Synonyms | RHOC; ras homolog family member C; H9; ARH9; ARHC; RHOH9; rho-related GTP-binding protein RhoC; rhoC GTPase; oncogene RHO H9; rho cDNA clone 9; RAS-related homolog 9; small GTP binding protein RhoC; ras homolog gene family, member C; |
| Entrez Gene ID | 389 |
| Protein Refseq | NP_001036143 |
| UniProt ID | A0A024R0I3 |
| Chromosome Location | 1p13.1 |
| Pathway | Axon guidance; G alpha (12/13) signalling events; Rho GTPase cycle; Sema4D induced cell migration and growth-cone collapse. |
| Function | GTP binding; protein binding; signal transducer activity; |