



Anti-NRAS (aa 90-189) polyclonal antibody (DPAB-DC2051)

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

PRODUCT INFORMATION

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| Antigen Description | This is an N-ras oncogene encoding a membrane protein that shuttles between the Golgi apparatus and the plasma membrane. This shuttling is regulated through palmitoylation and depalmitoylation by the ZDHHC9-GOLGA7 complex. The encoded protein, which has intrinsic GTPase activity, is activated by a guanine nucleotide-exchange factor and inactivated by a GTPase activating protein. Mutations in this gene have been associated with somatic rectal cancer, follicular thyroid cancer, autoimmune lymphoproliferative syndrome, Noonan syndrome, and juvenile myelomonocytic leukemia. |
| Immunogen | NRAS (AAH05219, 90 a.a. ~ 189 a.a) partial recombinant protein with GST tag. The sequence is FADINLYREQIKRVKDSDDVPMVLVGNKCDLPTRTVDTKQAHELAKSYGIPFIETSAKTR QGVEDAFYTLVREIRQYRMKKLNSSDDGTQGCMGLPCVVM |
| 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 | NRAS neuroblastoma RAS viral (v-ras) oncogene homolog [Homo sapiens (human)] |
| Official Symbol | NRAS |
| Synonyms | NRAS; neuroblastoma RAS viral (v-ras) oncogene homolog; NS6; CMNS; NCMS; ALPS4; N-ras; NRAS1; GTPase NRas; N-ras protein part 4; transforming protein N-Ras; v-ras neuroblastoma RAS viral oncogene homolog; |
| Entrez Gene ID | 4893 |
| Protein Refseq | NP_002515 |
| UniProt ID | P01111 |
| Chromosome Location | 1p13.2 |
| Pathway | ARMS-mediated activation; Acute myeloid leukemia; Adaptive Immune System; Alcoholism |
| Function | GTP binding; protein complex binding; |