

## GRP3 Polyclonal Antibody

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| <b>Catalog No :</b>          | YN1155  |
| <b>Reactivity :</b>          | Human;Rat;Mouse;  |
| <b>Applications :</b>        | WB;ELISA  |
| <b>Target :</b>              | GRP3  |
| <b>Fields :</b>              | >>MAPK signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>B cell receptor signaling pathway;>>Pathways in cancer              |
| <b>Gene Name :</b>           | RASGRP3 GRP3 KIAA0846   |
| <b>Protein Name :</b>        | Ras guanyl-releasing protein 3 (Calcium and DAG-regulated guanine nucleotide exchange factor III) (Guanine nucleotide exchange factor for Rap1) |
| <b>Human Gene Id :</b>       | 25780   |
| <b>Human Swiss Prot No :</b> | Q8IV61  |
| <b>Immunogen :</b>           | Synthesized peptide derived from human protein . at AA range: 90-170  |
| <b>Specificity :</b>         | GRP3 Polyclonal Antibody detects endogenous levels of protein.  |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.  |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG  |
| <b>Dilution :</b>            | WB 1:500-2000 ELISA 1:5000-20000  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                           |
| <b>Concentration :</b>       | 1 mg/ml   |
| <b>Storage Stability :</b>   | -15°C to -25°C/1 year(Do not lower than -25°C)  |
| <b>Observed Band :</b>       | 75kD  |

**Cell Pathway :** MAPK\_ERK\_Growth;MAPK\_G\_Protein;B\_Cell\_Antigen;

**Background :** RAS guanyl releasing protein 3(RASGRP3) Homo sapiens Members of the RAS (see HRAS; MIM 190020) subfamily of GTPases function in signal transduction as GTP/GDP-regulated switches that cycle between inactive GDP- and active GTP-bound states. Guanine nucleotide exchange factors (GEFs), such as RASGRP3, serve as RAS activators by promoting acquisition of GTP to maintain the active GTP-bound state and are the key link between cell surface receptors and RAS activation (Rebhun et al., 2000 [PubMed 10934204]).[supplied by OMIM, Mar 2008],

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**Function :** function:Guanine nucleotide exchange factor (GEF) for Ras and Rap1.,similarity:Belongs to the RASGRP family.,similarity:Contains 1 N-terminal Ras-GEF domain.,similarity:Contains 1 phorbol-ester/DAG-type zinc finger.,similarity:Contains 1 Ras-GEF domain.,similarity:Contains 2 EF-hand domains.,

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**Subcellular Location :** intracellular,plasma membrane,integral component of plasma membrane,guanyl-nucleotide exchange factor complex,perinuclear region of cytoplasm,

**Expression :** Brain,

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## Products Images