



# RASGRF2 Rabbit pAb

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|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-18963                                                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                            |
| <b>Reactivity</b>                  | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>                   | RASGRF2 GRF2                                                                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>                   | Synthesized peptide derived from human RASGRF2                                                                                                                                                                                                                                                                 |
| <b>Specificity</b>                 | This antibody detects endogenous levels of RASGRF2 at Human, Mouse,Rat                                                                                                                                                                                                                                         |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                        |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                         |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                          |
| <b>Dilution</b>                    | WB 1:500-2000                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                           |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>                    | GRF2;Ras guanine nucleotide exchange factor 2;Ras protein specific guanine nucleotide releasing factor 2;Ras-GRF2;Ras-specific guanine nucleotide-releasing factor 2;RASGRF2;RGRF2_HUMAN;RASGRF2 GRF2;Ras-specific guanine nucleotide-releasing factor 2 (Ras-GRF2) (Ras guanine nucleotide exchange factor 2) |
| <b>Observed Band</b>               |                                                                                                                                                                                                                                                                                                                |
| <b>Calculated Molecular Weight</b> | 14kDa; 141kD(Calculated).                                                                                                                                                                                                                                                                                      |
| <b>Cell Pathway</b>                | Cytoplasm. Cell membrane; Peripheral membrane protein. Endoplasmic reticulum membrane; Peripheral membrane protein. Translocates to membranes when activated. Found both at cell periphery and along the axon of neurons (By similarity). .                                                                    |
| <b>Tissue Specificity</b>          | Widely expressed with higher expression in brain, followed by heart, lung, pancreas and kidney. Detected in placenta. Expressed in brain and lung (at protein level).                                                                                                                                          |
| <b>Function</b>                    | Functions as a calcium-regulated nucleotide exchange factor activating both Ras and RAC1 through the exchange of bound GDP for GTP. Preferentially activates HRAS in vivo compared to RRAS based on their different types of prenylation. Functions in synaptic plasticity by contributing to the induction of |



long term potentiation.

#### Background

#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images