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Datasheet for ABIN6979976

## anti-Ras Protein-Specific Guanine Nucleotide-Releasing Factor 2 (RASGRF2) (AA 20-120) antibody (AbBy Fluor® 647)

### Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | Ras Protein-Specific Guanine Nucleotide-Releasing Factor 2 (RASGRF2)                                                           |
| Binding Specificity: | AA 20-120                                                                                                                      |
| Reactivity:          | Mouse                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | AbBy Fluor® 647                                                                                                                |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human GRF2 |
| Isotype:              | IgG                                                      |
| Cross-Reactivity:     | Mouse                                                    |
| Predicted Reactivity: | Human,Rat,Cow,Sheep                                      |
| Purification:         | Purified by Protein A.                                   |

### Target Details

|                   |                                                                      |
|-------------------|----------------------------------------------------------------------|
| Target:           | Ras Protein-Specific Guanine Nucleotide-Releasing Factor 2 (RASGRF2) |
| Alternative Name: | GRF2 ( <a href="#">RASGRF2 Products</a> )                            |

## Target Details

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Background: Synonyms: GRF2, RAS-GRF2, Ras-specific guanine nucleotide-releasing factor 2, Ras guanine nucleotide exchange factor 2, RASGRF2

Background: 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.

Gene ID: 5924

UniProt: [O14827](#)

Pathways: [Neurotrophin Signaling Pathway](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months