

## anti-Human, Mouse RapGEF1 Antibody | anti-RapGEF1 antibody

RapGEF1 (Phospho-Tyr504) Antibody

|                               |                                   |                                            |
|-------------------------------|-----------------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA111524</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------------------|--------------------------------------------|

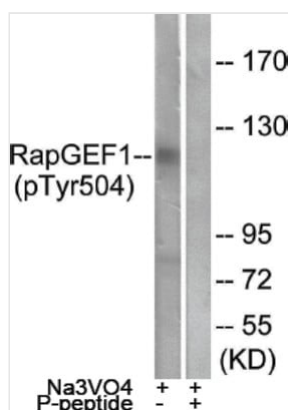
### PRODUCT SYNONYMS

RapGEF1; RapGEF1 (Phospho-Tyr504) Antibody; C3G; CRK SH3-binding GNRP; GRF2; RPGF1; Rap guanine nucleotide exchange factor 1; guanine nucleotide-releasing factor 2; anti-RapGEF1 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Human, Mouse                                                                                                                                                                                                                                        |
| Specificity                                       | RapGEF1 (Phospho-Tyr504) antibody detects endogenous levels of RapGEF1 only when phosphorylated at tyrosine 504.                                                                                                                                    |
| Purity/Purification                               | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                       | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                   | 1094                                                                                                                                                                                                                                                |
| Applicable Applications for anti-RapGEF1 antibody | ELISA, WB (Western Blot)                                                                                                                                                                                                                            |
| Immunogen                                         | The antiserum was produced against synthesized phosphopeptide derived from human RapGEF1 around the phosphorylation site of tyrosine 504 (V-P-Y <sup>P</sup> -A-P).                                                                                 |
| All Sites                                         | Human: Tyr504<br>Mouse: Tyr514                                                                                                                                                                                                                      |
| Preparation and Storage                           | Store at -20°C for 1 year.                                                                                                                                                                                                                          |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, treated with Na<sub>3</sub>VO<sub>4</sub> (0.3nM, 40mins), using RapGEF1 (Phospho-Tyr504) antibody.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                   |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-RapGEF1 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                          | Tanaka S., Proc. Natl. Acad. Sci. U.S.A. 91:3443-3447(1994). Knudsen B., J. Biol. Chem. 269:32781-32787(1994). Matsuda M., J. Biol. Chem. 271:14468-14472(1996).                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 747019253                                          |
| NCBI GeneID                      | 2889                                               |
| NCBI Accession #                 | NP_001291204.1                                     |
| NCBI GenBank Nucleotide #        | NM_001304275.1                                     |
| UniProt Accession #              | Q13905; Q5JUE4; Q68DL3; Q8IV73                     |
| Molecular Weight                 | 122,287 Da                                         |
| NCBI Official Full Name          | rap guanine nucleotide exchange factor 1 isoform c |
| NCBI Official Synonym Full Names | Rap guanine nucleotide exchange factor 1           |
| NCBI Official Symbol             | RAPGEF1                                            |
| NCBI Official Synonym Symbols    | C3G; GRF2                                          |
| NCBI Protein Information         | rap guanine nucleotide exchange factor 1           |
| UniProt Protein Name             | Rap guanine nucleotide exchange factor 1           |
| UniProt Gene Name                | <b>RAPGEF1</b>                                     |
| UniProt Synonym Gene Names       | GRF2                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-antibody/rapgef1/111524>