

## Rabbit anti-Human RAPGEF1 Polyclonal Antibody | anti-RAPGEF1 antibody

RAPGEF1 Antibody (Center)

|                               |                       |                            |                                            |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA286501</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|

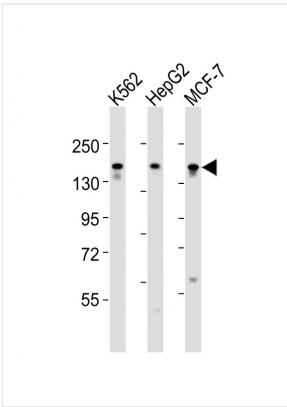
### PRODUCT SYNONYMS

RAPGEF1; Polyclonal Antibody; RAPGEF1 Antibody (Center); Rap guanine nucleotide exchange factor 1; CRK SH3-binding GNRP; Guanine nucleotide-releasing factor 2; Protein C3G; GRF2; anti-RAPGEF1 antibody

### PRODUCT SPECIFICATIONS

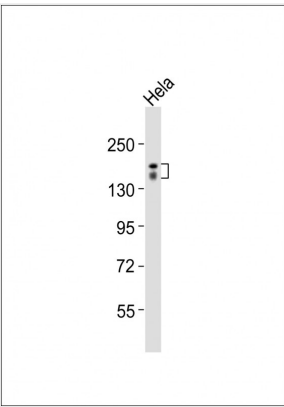
|                                                   |                                                                                                                                                                              |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                       |
| Reactivity                                        | Human                                                                                                                                                                        |
| Clonality                                         | Polyclonal                                                                                                                                                                   |
| Isotype                                           | Rabbit Ig                                                                                                                                                                    |
| Specificity                                       | This RAPGEF1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 536-569 amino acids from the Central region of human RAPGEF1.     |
| Purity/Purification                               | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                    |
| Form/Format                                       | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                     | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Length                                   | 1077                                                                                                                                                                         |
| Applicable Applications for anti-RAPGEF1 antibody | ELISA, WB (Western Blot)                                                                                                                                                     |
| Crown Antibody                                    | Yes                                                                                                                                                                          |
| Antigen Source                                    | HUMAN                                                                                                                                                                        |
| Preparation and Storage                           | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

IMAGES



WB (Western Blot)

All lanes : Anti-RAPGEF1 Antibody (Center) at 1:1000-1:2000 dilution  
Lane 1: K562 whole cell lysates  
Lane 2: HepG2 whole cell lysates  
Lane 3: MCF-7 whole cell lysates  
Lysates/proteins at 20 ug per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution  
Predicted band size : 121 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.



WB (Western Blot)

Anti-RAPGEF1 Antibody (Center) at 1:2000 dilution + HeLa whole cell lysates  
Lysates/proteins at 20 ug per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution  
Predicted band size : 121 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RAPGEF1 antibody | Guanine nucleotide-releasing protein that binds to SH3 domain of CRK and GRB2/ASH. Transduces signals from CRK to activate RAS. Plays a role in the establishment of basal endothelial barrier function. Plays a role in nerve growth factor (NGF)-induced sustained activation of Rap1 and neurite outgrowth. |
| Product Categories/Family for anti-RAPGEF1 antibody   | Crown Antibodies; Signal Transduction                                                                                                                                                                                                                                                                          |
| References                                            | Tanaka S.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:3443-3447(1994).<br>Knudsen B.,et al.J. Biol. Chem. 269:32781-32787(1994).<br>Bechtel S.,et al.BMC Genomics 8:399-399(2007).<br>Humphray S.J.,et al.Nature 429:369-374(2004).<br>Matsuda M.,et al.J. Biol. Chem. 271:14468-14472(1996).                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 38373675                                           |
| NCBI GeneID                      | 2889                                               |
| NCBI Accession #                 | NP_005303.2                                        |
| NCBI GenBank Nucleotide #        | NM_005312.3                                        |
| UniProt Accession #              | Q13905; Q5JUE4; Q68DL3; Q8IV73                     |
| Molecular Weight                 | 120548                                             |
| NCBI Official Full Name          | rap guanine nucleotide exchange factor 1 isoform a |
| NCBI Official Synonym Full Names | Rap guanine nucleotide exchange factor (GEF) 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                | RAPGEF1                                            |
| 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/polyclonal/rapgef1-antibody-western-blot-elisa/286501>