

## Rabbit anti-Human GEF-H1 Polyclonal Antibody | anti-GEF-H1 antibody

Rabbit anti-GEF-H1 Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA211683 | Rabbit | Human      | Immunohistochemistry, Western Blot |

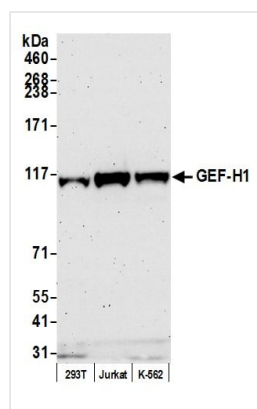
### PRODUCT SYNONYMS

GEF-H1; Polyclonal Antibody; Rabbit anti-GEF-H1 Antibody; Affinity Purified; NEDMHM; GEFH1; Rho/Rac guanine nucleotide exchange factor (GEF) 2; rho guanine nucleotide exchange factor 2; proliferating cell nucleolar antigen p40; P40; LFP40; GEF; microtubule-regulated Rho-GEF; guanine nucleotide exchange factor H1; Rho guanine nucleotide exchange factor 2; Rho/Rac guanine nucleotide exchange factor 2; anti-GEF-H1 antibody

### PRODUCT SPECIFICATIONS

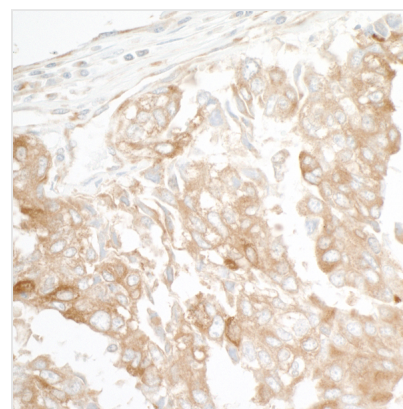
|                                                  |                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                    |
| Reactivity                                       | Human                                                                                     |
| Clonality                                        | Polyclonal                                                                                |
| Purity/Purification                              | Antigen Affinity Purified                                                                 |
| Form/Format                                      | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                    | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-GEF-H1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                             |
| Predicted Reactivity                             | Pig                                                                                       |
| Immunogen                                        | Between 625 and 675                                                                       |
| Conjugation                                      | Unconjugated                                                                              |
| Preparation and Storage                          | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

### IMAGES



#### WB (Western Blot)

Detection of human GEF-H1 by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, Jurkat, and K-562 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-GEF-H1 antibody AAA211683 (lot AAA211683-2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



#### IHC (Immunohistochemistry)

Detection of human GEF-H1 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-GEF-H1 (Cat. No. AAA211683 lot 2) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GEF-H1 antibody | GEF-H1 (guanine nucleotide exchange factor H1) is a microtubule regulated guanine nucleotide exchange factor for the RhoA GTPase. It catalyzes the exchange of GDP for GTP by Rho in response to microtubule destabilization. GEF-H1 has shown to be regulated during cytokinesis and plays a role in the cleavage furrow. |
| Product Categories/Family for anti-GEF-H1 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 15011974                                                                                                                                                                                               |
| NCBI GeneID                      | 9181                                                                                                                                                                                                   |
| NCBI Accession #                 | NP_004714.2                                                                                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_004723.3                                                                                                                                                                                            |
| UniProt Accession #              | Q92974; O75142; Q15079; Q5VY92; Q8TDA3; Q8WUG4; Q9H023; D3DVA6                                                                                                                                         |
| Molecular Weight                 | 108,242 Da                                                                                                                                                                                             |
| NCBI Official Full Name          | rho guanine nucleotide exchange factor 2 isoform 3                                                                                                                                                     |
| NCBI Official Synonym Full Names | Rho/Rac guanine nucleotide exchange factor (GEF) 2                                                                                                                                                     |
| NCBI Official Symbol             | ARHGEF2                                                                                                                                                                                                |
| NCBI Official Synonym Symbols    | GEF; P40; GEFH1; LFP40; GEF-H1                                                                                                                                                                         |
| NCBI Protein Information         | rho guanine nucleotide exchange factor 2; microtubule-regulated Rho-GEF; guanine nucleotide exchange factor H1; proliferating cell nucleolar antigen p40; Rho/Rac guanine nucleotide exchange factor 2 |
| UniProt Protein Name             | Rho guanine nucleotide exchange factor 2                                                                                                                                                               |
| UniProt Gene Name                | ARHGEF2                                                                                                                                                                                                |
| UniProt Synonym Gene Names       | KIAA0651; LFP40; GEF-H1                                                                                                                                                                                |
| UniProt Entry Name               | ARHG2_HUMAN                                                                                                                                                                                            |

**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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