

## ARHGDI Antibody | anti-ARHGDI antibody

ARHGDI (Phospho-Ser174) Antibody

|                               |                                        |                                                                  |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA111981</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|

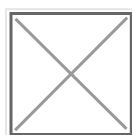
### PRODUCT SYNONYMS

ARHGDI; ARHGDI (Phospho-Ser174) Antibody; GDIR; Rho GDI 1; Rho GDP-dissociation inhibitor 1; Rho-GDI alpha; anti-ARHGDI antibody

### PRODUCT SPECIFICATIONS

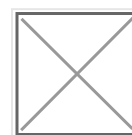
|                                                  |                                                                                                                                                                                                                                                     |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                       | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                      | ARHGDI (Phospho-Ser174) antibody detects endogenous levels of ARHGDI only when phosphorylated at serine 174.                                                                                                                                        |
| 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                                  | 204                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-ARHGDI antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                        | The antiserum was produced against synthesized phosphopeptide derived from human ARHGDI around the phosphorylation site of serine 174 (R-G-SP-Y-S).                                                                                                 |
| All Sites                                        | Human: Ser174<br>Mouse: Ser174<br>Rat: Ser174                                                                                                                                                                                                       |
| Preparation and Storage                          | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human cervix carcinoma tissue using ARHGDI (Phospho-Ser174) antibody. Western blot analysis of extracts from HUVEC cells, treated with EGF (200ng/ml, 30mins), using ARHGDI (Phospho-Ser174) antibody.



#### Application Data

P-peptide-+

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                   |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-ARHGDI antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                         | Leffers H., Exp. Cell Res. 209:165-174(1993). Maeda A., Submitted (APR-1993) to the EMBL/GenBank/DBJ databases. Chuang T.H., Submitted (JUL-1992) to the EMBL/GenBank/DBJ databases.                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 297374782                                      |
| NCBI GeneID                      | 396                                            |
| NCBI Accession #                 | NP_001172006.1                                 |
| NCBI GenBank Nucleotide #        | NM_001185077.2                                 |
| UniProt Accession #              | P52565; Q6IBM5; A8MXW0; B2R5X1; B4DDD3; B4DUV9 |
| Molecular Weight                 | 18,233 Da                                      |
| NCBI Official Full Name          | rho GDP-dissociation inhibitor 1 isoform a     |
| NCBI Official Synonym Full Names | Rho GDP dissociation inhibitor alpha           |
| NCBI Official Symbol             | ARHGDIA                                        |
| NCBI Official Synonym Symbols    | GDIA1; NPHS8; RHOGDI; RHOGDI-1; HEL-S-47e      |
| NCBI Protein Information         | rho GDP-dissociation inhibitor 1               |
| UniProt Protein Name             | Rho GDP-dissociation inhibitor 1               |
| UniProt Gene Name                | ARHGDIA                                        |
| UniProt Synonym Gene Names       | GDIA1; Rho GDI 1                               |

**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-rat-antibody/arhgdia/111981>