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## Datasheet for ABIN1713703 **anti-ARHGAP15 antibody (AA 201-300)**

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | ARHGAP15  |
| Binding Specificity: | AA 201-300  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This ARHGAP15 antibody is un-conjugated   |
| Application:         | ELISA, Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

### Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human ARHGAP15 |
| Isotype:              | IgG  |
| Predicted Reactivity: | Human,Mouse,Rat  |
| Purification:         | Purified by Protein A.                                       |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | ARHGAP15                                       |
| Alternative Name: | ARHGAP15 ( <a href="#">ARHGAP15 Products</a> ) |

## Target Details

|             |   |
|-------------|---|
| Background: | <p>Synonyms: ArhGAP15, BM046, Rho GTPase activating protein 15, Rho type GTPase activating protein 15, RHG15_HUMAN.</p> <p>Background: Rho GTPases, which play fundamental roles in numerous cellular processes, are initiated by external stimuli that signal through G-protein coupled receptors. ARHGEF15 (Rho guanine nucleotide exchange factor (GEF) 15), also known as ARGEF15 or Vsm-RhoGEF, is a 841 amino acid protein expressed in the vascular smooth muscle of coronary artery.</p> <p>ARHGEF15 functions as a specific guanine nucleotide exchange factor for RhoA and interacts with ephrin-A4 in vascular smooth muscle cells. Containing one DH (DBL-homology) domain, ARHGEF15 is phosphorylated on tyrosine residues upon ephrin-A1 stimulation. The DH domain consists of a region of about 150 amino acids that induces Rho family GTPases to release GDP. This effectively activates the Rho GTPase by allowing GTP binding. ARHGEF15 is encoded by a gene located on human chromosome 17, which comprises over 2.5 % of the human genome and encodes over 1,200 genes.</p> |
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| Gene ID: | 55843 |
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## Application Details

|                    |                    |
|--------------------|--------------------|
| Application Notes: | WB 1:300-5000      |
|                    | ELISA 1:500-1000   |
|                    | IHC-P 1:200-400    |
|                    | IHC-F 1:100-500    |
|                    | IF(IHC-P) 1:50-200 |
|                    | IF(IHC-F) 1:50-200 |
|                    | IF(ICC) 1:50-200   |
|                    | ICC 1:100-500      |

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 µg/µL  |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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. |

## Handling

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|          |             |
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| Storage: | 4 °C,-20 °C |
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|------------------|---|
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
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|              |           |
|--------------|-----------|
| Expiry Date: | 12 months |
|--------------|-----------|