

## Rabbit RHOC Polyclonal Antibody | anti-RHOC antibody

RHOC antibody - N-terminal region

|                               |                       |                                                                                                            |                                                           |
|-------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA200523</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Yeast, Zebrafish</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry</b> |
|-------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|

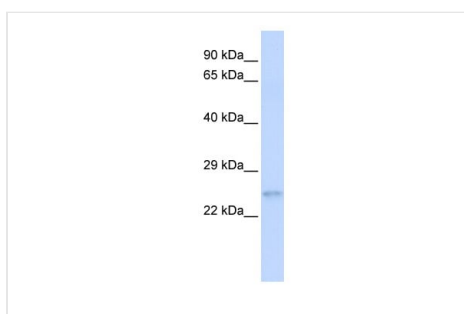
### PRODUCT SYNONYMS

RHOC; Polyclonal Antibody; RHOC antibody - N-terminal region; anti-RHOC antibody

### PRODUCT SPECIFICATIONS

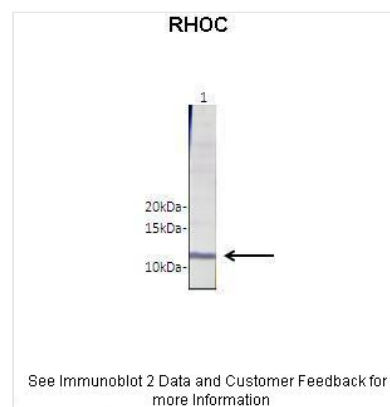
|                                                |                                                                                                                                                               |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                        |
| Reactivity                                     | Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Yeast, Zebrafish                                                                         |
| Clonality                                      | Polyclonal                                                                                                                                                    |
| Purity/Purification                            | Affinity Purified                                                                                                                                             |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                             |
| Sequence                                       | Synthetic peptide with the following region: VP TVFENYIADI EVDGKQVELA LWDTAGQEDY DRLRPLSYPD TDVILMCF                                                          |
| Sequence Length                                | 193                                                                                                                                                           |
| Applicable Applications for anti-RHOC antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                                 |
| Homology                                       | Cow: 100%; Dog: 100%; Goat: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Yeast: 100%; Zebrafish: 100% |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the N terminal region of human RHOC                                                                     |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.         |

### IMAGES



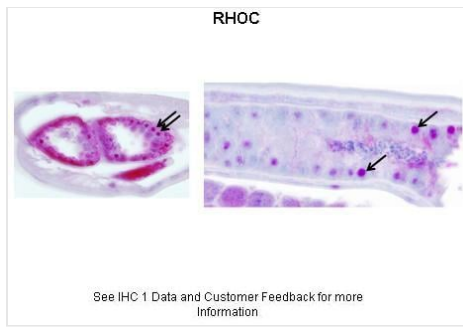
#### WB (Western Blot)

WB Suggested Anti-RHOC Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:62500  
Positive Control: Human Liver



#### WB (Western Blot)

Lanes: Lane 1: 20ug of Brugia malayi total worm extract  
Primary Antibody Dilution: 1:1000  
Secondary Antibody: Anti-rabbit-HRP  
Secondary Antibody Dilution: 1:5000  
Gene Name: RHOC  
Submitted by: Peter U. Fischer, Washington University School of Medicine



#### IHC (Immunohistochemistry)

Sample Type :Brugia malayi intestinal cross sectionPrimary Antibody Dilution :1:200Secondary Antibody :Anti-rabbit-APSecondary Antibody Dilution :1:5000Gene Name :RHOCSubmitted by :Peter U. Fischer, Ph.D., Research Associate Professor, Washington University School of Medicine, Infectious Disease Division, Campus Mailbox 8051, 660 S. Euclid Ave, St. Louis, MO 63110 USA, Tel 314-454-7876 Fax 314-454-5293

### ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-RHOC antibody</b> | This is a rabbit polyclonal antibody against RHOC. It was validated on Western Blot using a cell lysate as a positive control.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                           | <p>Target Description: RHOC Is a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. RHOC is prenylated at its C-terminus, and localizes to the cytoplasm and plasma membrane. It is thought to be important in cell locomotion. Overexpression of RHOC is associated with tumor cell proliferation and metastasis. This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The protein encoded by this gene is prenylated at its C-terminus, and localizes to the cytoplasm and plasma membrane. It is thought to be important in cell locomotion. Overexpression of this gene is associated with tumor cell proliferation and metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified.</p> |
| <b>Product Categories/Family for anti-RHOC antibody</b>   | Polyclonal; Lymphocyte Signaling; Membrane & Traffic; Hypoxia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### NCBI AND UNIPROT INFORMATION

|                                  |                                      |
|----------------------------------|--------------------------------------|
| NCBI GI #                        | 28395033                             |
| NCBI GeneID                      | 389                                  |
| NCBI Accession #                 | NP_786886                            |
| NCBI GenBank Nucleotide #        | NM_175744                            |
| UniProt Accession #              | P08134                               |
| Molecular Weight                 | 22kDa                                |
| NCBI Official Full Name          | rho-related GTP-binding protein RhoC |
| NCBI Official Synonym Full Names | ras homolog family member C          |
| NCBI Official Symbol             | RHOC                                 |
| NCBI Official Synonym Symbols    | H9; ARH9; ARHC; RHOH9                |
| NCBI Protein Information         | rho-related GTP-binding protein RhoC |
| UniProt Protein Name             | Rho-related GTP-binding protein RhoC |
| UniProt Gene Name                | RHOC                                 |

|                            |                |
|----------------------------|----------------|
| UniProt Synonym Gene Names | ARH9; ARHC; h9 |
| UniProt Entry Name         | RHOC_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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rhoc-antibody-western-blot-immunohistochemistry-elisa/200523>