

**RHOC Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14105b****Specification**

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**RHOC Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P08134</a>
Other Accession	<a href="#">Q62159</a> , <a href="#">Q1RMJ6</a> , <a href="#">NP_786886.1</a> , <a href="#">NP_001036143.1</a> , <a href="#">NP_001036144.1</a>
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	102-130

**RHOC Antibody (C-term) - Additional Information****Gene ID** 389**Other Names**

Rho-related GTP-binding protein RhoC, Rho cDNA clone 9, h9, RHOC, ARH9, ARHC

**Target/Specificity**

This RHOC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 102-130 amino acids from the C-terminal region of human RHOC.

**Dilution**

WB~~1:2000

**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.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

RHOC Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**RHOC Antibody (C-term) - Protein Information****Name** RHOC**Synonyms** ARH9, ARHC

**Function** Regulates a signal transduction pathway linking plasma membrane receptors to the assembly of focal adhesions and actin stress fibers. Serves as a microtubule-dependent signal that is required for the myosin contractile ring formation during cell cycle cytokinesis. Regulates apical junction formation in bronchial epithelial cells.

#### Cellular Location

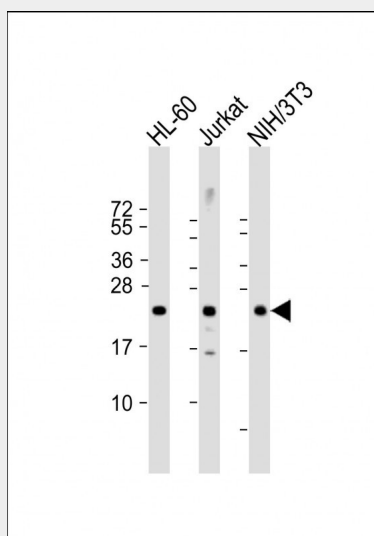
Cell membrane; Lipid-anchor; Cytoplasmic side. Cleavage furrow. Note=Translocates to the equatorial region before furrow formation in a ECT2-dependent manner

#### RHOC Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### RHOC Antibody (C-term) - Images



All lanes : Anti-RHOC Antibody (C-term) at 1:2000 dilution Lane 1: HL-60 whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### RHOC Antibody (C-term) - Background

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.

#### **RHOC Antibody (C-term) - References**

Jiang, L., et al. Int. J. Cancer 127(3):505-512(2010)  
Wu, M., et al. Cancer 116 (11 SUPPL), 2768-2782 (2010) :  
Lipkin, S.M., et al. Cancer Prev Res (Phila) 3(5):597-603(2010)  
Kitzing, T.M., et al. Oncogene 29(16):2441-2448(2010)  
Segat, L., et al. Vaccine 28(10):2201-2206(2010)

#### **RHOC Antibody (C-term) - Citations**

- [Impact of RhoA overexpression on clinical outcomes in cervical squamous cell carcinoma treated with concurrent chemoradiotherapy](#)