

Datasheet for ABIN2786344  
**anti-RHOC antibody (N-Term)**[1 Image](#)[1 Publication](#)[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	RHOC
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Guinea Pig, Zebrafish (Danio rerio), Horse, Saccharomyces cerevisiae, Goat, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RHOC antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human RHOC
Sequence:	VPTVFENYIA DIEVDGKQVE LALWDTAGQE DYDLRLPLSY PDTDVILMCF
Predicted Reactivity:	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%
Characteristics:	This is a rabbit polyclonal antibody against RHOC. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	RHOC
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## Target Details

Alternative Name:	RHOC ( <a href="#">RHOC Products</a> )
Background:	<p>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.</p> <p>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> <p>Alias Symbols: ARH9, ARHC, H9, MGC1448, MGC61427, RHOH9</p> <p>Protein Interaction Partner: FAM65B, UBC, env, ATF2, PPP3CA, CDK2, LNX1, CAV1, CIT, ARHGAP1, RTKN, DIAPH1, ROCK1, VHL, ARHGDIA,</p> <p>Protein Size: 193</p>
Molecular Weight:	22 kDa
Gene ID:	389
NCBI Accession:	<a href="#">NM_175744</a> , <a href="#">NP_786886</a>
UniProt:	<a href="#">P08134</a>
Pathways:	<a href="#">WNT Signaling</a> , <a href="#">Cell-Cell Junction Organization</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 193 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
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## Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:	Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: <b>Molecular systems biology</b> , Vol. 3, pp. 89, (2007) ( <a href="#">PubMed</a> ).
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## Images



### Western Blotting

#### Image 1. WB Suggested Anti-RHOC Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:62500

**Positive Control:** Human Liver