

Product datasheet for **TA326906**

RHOC Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB 1:500 - 1:2000 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Recombinant protein of human RHOC |
| Formulation: | Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3 |
| Concentration: | lot specific |
| Purification: | Affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | ras homolog family member C |
| Database Link: | NP_786886 Entrez Gene 295342 Rat Entrez Gene 389 Human P08134 |



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Background:

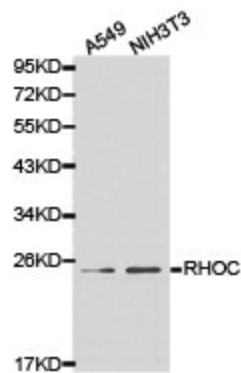
Rho family small GTPases, including Rho, Rac and cdc42, act as molecular switches, regulating processes such as cell migration, adhesion, proliferation and differentiation. They are activated by guanine nucleotide exchange factors (GEFs), which catalyze the exchange of bound GDP for GTP, and inhibited by GTPase activating proteins (GAPs), which catalyze the hydrolysis of GTP to GDP. A third level of regulation is provided by the stoichiometric binding of Rho GDP dissociation inhibitor (RhoGDI) (1). RhoA, RhoB and RhoC are highly homologous, but appear to have divergent biological functions. Carboxy-terminal modifications and differences in subcellular localization allow these three proteins to respond to and act on distinct signaling molecules (2,3). 1. DerMardirossian, C. and Bokoch, G.M. (2005) Trends Cell Biol 15, 356-63. 2. Wennerberg, K. and Der, C.J. (2004) J Cell Sci 117, 1301-12. 3. Wheeler, A.P. and Ridley, A.J. (2004) Exp Cell Res 301, 43-9.

Synonyms:

ARH9; ARHC; H9; RHOH9

Protein Families:

Druggable Genome

Product images:

Western blot analysis of A549 cell and NIH3T3 cell lysate using RHOC antibody.