

## Anti-RHOC Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 22 kDa. Actual: 22 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	Sample: Lane 1: NIH/3T3 (Mouse) Cell Lysate at 30 µg Lane 2: U2os (Human) Cell Lysate at 30 µg Lane 3: Huvec (Human) Cell Lysate at 30 µg Lane 4: A431 (Human) Cell Lysate at 30 µg Lane 5: U251 (Human) Cell Lysate at 30 µg
	Primary: Anti-RHOC (TMAB-12243) at 1/1000 dilution Anti-beta-Actin at 1/2000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 22 kD Observed band size: 22 kD
Application:	WB,ELISA
Recommended	WB: 1:500-2000; ELISA: 1:5000-10000

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: human RHOC
Antigen Species:	Human
Gene ID:	389
Uniprot ID:	P08134

### Research 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. [provided by RefSeq, Jul 2008]

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