

## Anti-Rho A/B/C Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

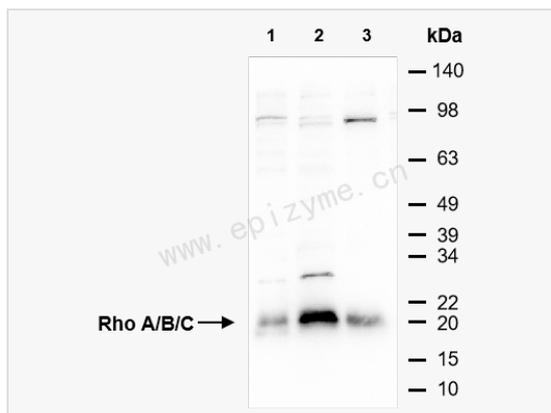
Catalog # R014568

### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	17E16R90
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Rho C
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Rho A/B/C Rabbit mAb [17E16R90] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	AA017882, AI324259, Aplysia ras related homolog 9 (RhoC), Aplysia ras-related homolog 12, Aplysia RAS-related homolog 6, Aplysia RAS-related homolog, ARH12, ARH6, ARH9, ARHA, ARHB, ARHC, H12, H6, H9, MGC117867, MGC1448, MGC61427, MST081, MSTP081, Oncogene RHO H12, Oncogene RHO H6, Oncogene RHO H9, OTTHUMP00000013675, OTTHUMP00000013676, OTTHUMP00000013802, OTTHUMP00000013805, OTTHUMP00000013807, OTTHUMP00000013809, OTTMUSP00000025086, OTTMUSP00000025087, Ras homolog 9 (RhoC), Ras homolog gene family, member A, Ras homolog gene family, member B, Ras homolog gene family, member C, RAS-related homolog 9, Rh-related GTP binding protein RhoC, Rho cDNA clone 12, rho cDNA clone 6, rho cDNA clone 9, Rho related GTP binding protein RhoB, Rho related GTP binding protein RhoC, RHO12, RHOA, RHOB, RHOC, rhoC GTPase, RHOH12, RHOH6, RHOH9, RP11-426L16.4, small GTP binding protein RhoA, Small GTP binding protein RhoC, Transforming protein RhoA.
Calculated MW	Calculated MW: 22 kDa; Observed MW: 20 kDa
Uniprot ID	P08134
Gene ID	389
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]



Western Blot - Anti-Rho A/B/C Rabbit mAb [17E16R90]

All lanes: R014568 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 3: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

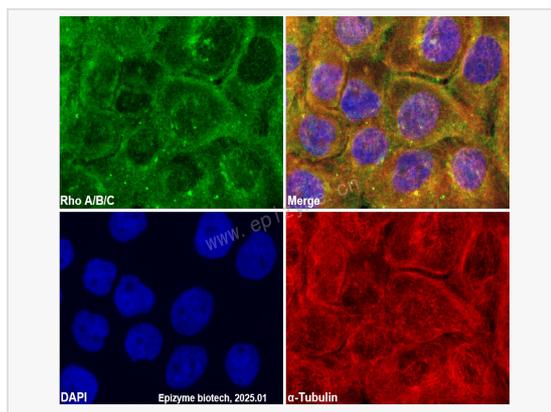
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 22 kDa

Observed band size: 20 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Rho A/B/C Rabbit mAb [17E16R90]

Sample: A431 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5%

Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R014568 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).