



Rabbit Anti-RHOA monoclonal antibody, clone TS49-11 (CABT-L579)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Rho A+B+C
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TS49-11
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, FC
Molecular Weight	24 kDa
Cellular Localization	Cytoplasm, Nucleus, Cell membrane, Cleavage furrow.
Positive Control	Jurkat, NIH/3T3, HeLa, HepG2, mouse stomach tissue, human gastric carcinoma tissue, mouse colon tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	The Ras p21 family of guanine nucleotide proteins has been widely studied in view of its apparent role in signal transduction pathways and high frequency of mutations in human malignancies. It is now clear, however, that the Ras proteins (H-, K- and N-Ras p21) are members of a much larger superfamily of related proteins. Six members of this family, Rap 1A, Rap 1B, Rap 2, R-Ras, Ral A and Ral B, exhibit approximately 50% amino acid homology to Ras. The six mammalian Rho proteins (Rho A, B, C, G, 7 and 8) are approximately 30% homologous to Ras and are expressed in a wide range of cell types. Both Ras p21 and Rho p21, as well as other members of the Ras superfamily, contain a carboxy-terminal CAAX sequence (C, cysteine; A, aliphatic amino acid; X, any amino acid) which in the case of Ras has been shown to be essential for correct localization and function.
Keywords	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;MST08 RHO H12;Oncogene RHO H6;Oncogene RHO H9;OTTHUMP00000013675;OTTHUMP00000013676;OTTHUMP00000013802;OTTHUMP00000013805;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;rh°C GTPase;RHOH12;RHOH6;RHOH9;RP11-426L16.4;small GTP binding protein RhoA;Small GTP binding protein RhoC;Transforming protein RhoA antibody