



# Rabbit Anti-RHOA monoclonal antibody, clone TO1723 (CABT-L728)

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

## PRODUCT INFORMATION

<b>Target</b>	RhoA
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	TO1723
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, FC
<b>Molecular Weight</b>	22 kDa
<b>Cellular Localization</b>	Cell membrane, Cytoplasm, Cleavage furrow, Midbody, Cell projection.
<b>Positive Control</b>	SH-SY-5Y, rat brain tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

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<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	Aplysia ras related homolog 12;ARH12;ARHA;H 12;H12;Oncogene RHO H12;Ras homolog family member A;Ras homolog gene family member A;Rho A;Rho cDNA clone 12;RHO H12;RHO12;RHOA;RHOA_HUMAN;RHOH12;Small GTP binding protein Rho A;Transforming protein Rho A;Transforming protein RhoA antibody

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