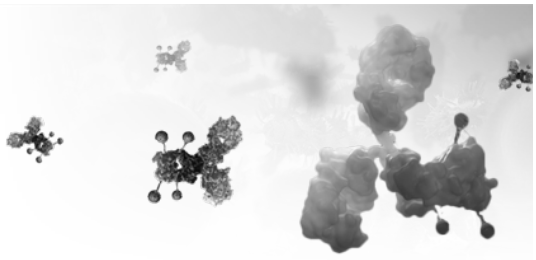

Human RHOC peptide (DAG-P1875)

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

PRODUCT INFORMATION

Antigen Description	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]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the small GTPase superfamily. Rho family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	RH°C ras homolog family member C [Homo sapiens (human)]
Official Symbol	RHOC
Synonyms	RHOC; ras homolog family member C; H9; ARH9; ARHC; RHOH9; rho-related GTP-binding protein RhoC; rh°C GTPase; oncogene RHO H9; rho cDNA clone 9; RAS-related homolog 9; small GTP binding protein RhoC; ras homolog gene family, member C;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Entrez Gene ID	389
mRNA Refseq	NM_001042678.1
Protein Refseq	NP_001036143.1
UniProt ID	P08134
Chromosome Location	1p13.1
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem; Sema4D in semaphorin signaling, organism-specific biosystem; Sema4D induced cell migration and growth-cone collapse, organism-specific biosystem; Semaphorin interactions, organism-specific biosystem; Signal Transduction, organism-specifi
Function	GTP binding; protein binding; signal transducer activity;

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