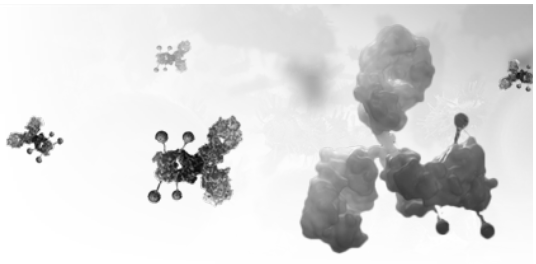

Human ROCK2 peptide (DAG-P1927)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a serine/threonine kinase that regulates cytokinesis, smooth muscle contraction, the formation of actin stress fibers and focal adhesions, and the activation of the c-fos serum response element. This protein, which is an isozyme of ROCK1 is a target for the small GTPase Rho. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family.Contains 1 AGC-kinase C-terminal domain.Contains 1 PH domain.Contains 1 phorbol-ester/DAG-type zinc finger.Contains 1 protein kinase domain.Contains 1 REM (Hr1) repeat.
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	ROCK2 Rho-associated, coiled-coil containing protein kinase 2 [Homo sapiens (human)]
Official Symbol	ROCK2
Synonyms	ROCK2; Rho-associated, coiled-coil containing protein kinase 2; ROCK-II; rho-associated protein kinase 2; p164 ROCK-2; rho-associated, coiled-coil-containing protein kinase II;
Entrez Gene ID	9475

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mRNA Refseq	NM_004850.3
Protein Refseq	NP_004841.2
UniProt ID	O75116
Chromosome Location	2p24
Pathway	Androgen receptor signaling pathway, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Developmental Biology, organism-specific biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; G alpha (12/13) signall
Function	ATP binding; Rho GTPase binding; metal ion binding; poly(A) RNA binding; protein binding; protein serine/threonine kinase activity; structural molecule activity;

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