



Rat SYNGAP1 (phospho S1123) peptide (DAG-P1205)

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 major component of the postsynaptic density (PSD), a group of proteins found associated with NMDA receptors at synapses. The encoded protein is phosphorylated by calmodulin-dependent protein kinase II and dephosphorylated by NMDA receptor activation. Defects in this gene are a cause of mental retardation autosomal dominant type 5 (MRD5). [provided by RefSeq, Dec 2009]
Conjugate	Unconjugated
Sequence Similarities	Contains 1 C2 domain.Contains 1 PH domain.Contains 1 Ras-GAP domain.
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	SYNGAP1 synaptic Ras GTPase activating protein 1 [Homo sapiens (human)]
Official Symbol	SYNGAP1
Synonyms	SYNGAP1; synaptic Ras GTPase activating protein 1; MRD5; RASA1; RASA5; SYNGAP; ras/Rap GTPase-activating protein SynGAP; neuronal RasGAP; Ras GTPase-activating protein SynGAP; synaptic Ras GTPase-activating protein 1; synaptic Ras GTPase activating protein, 135kDa; synaptic Ras GTPase activating protein 1 homolog;
Entrez Gene ID	8831

mRNA Refseq	NM_006772.2
Protein Refseq	NP_006763.2
UniProt ID	Q96PV0
Chromosome Location	6p21.3
Pathway	Ras signaling pathway, organism-specific biosystem;
Function	Rab GTPase activator activity; Ras GTPase activator activity; SH3 domain binding;