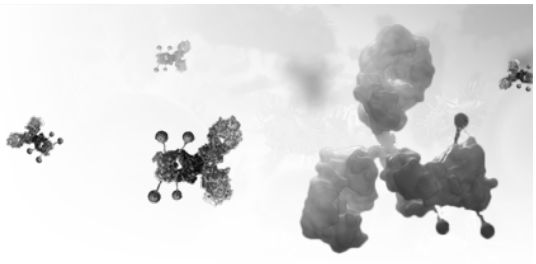

Rat TAC1 blocking peptide (DAG-P2003)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes four products of the tachykinin peptide hormone family, substance P and neurokinin A, as well as the related peptides, neuropeptide K and neuropeptide gamma. These hormones are thought to function as neurotransmitters which interact with nerve receptors and smooth muscle cells. They are known to induce behavioral responses and function as vasodilators and secretagogues. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Purity	> 90 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the tachykinin family.
Format	Liquid
Buffer	Preservative: None Constituents: Whole serum
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: Whole serum

GENE INFORMATION

Gene Name	TAC1 tachykinin, precursor 1 [Homo sapiens (human)]
Official Symbol	TAC1
Synonyms	TAC1; tachykinin, precursor 1; NK2; NPK; NKNA; TAC2; Hs.2563; protachykinin-1; PPT;

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	substance K; substance P; neurokinin 1; neurokinin 2; neurokinin A; neuromedin L; tachykinin 2; neuropeptide K; neurokinin alpha; preprotachykinin; neuropeptide gamma; tachykinin, precursor 1 (substance K, substance P, neurokinin 1, neurokinin 2, neuromedin L, neurokinin alpha, neuropeptide K, neuropeptide gamma);
Entrez Gene ID	6863
mRNA Refseq	NM_003182.2
Protein Refseq	NP_003173.1
UniProt ID	P20366
Chromosome Location	7q21-q22
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Gastrin-CREB signalling pathway via PKC and MAPK, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem; SIDS Susceptibility Pathways, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPC
Function	protein binding; substance P receptor binding;

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