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TAC4 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12845b

Specification

TAC4 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q86UU9

TAC4 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 255061

Other Names
Tachykinin-4, Preprotachykinin-C, PPT-C, Endokinin-A, EKA, Endokinin-A/B, EKA/B, Endokinin-C, EKC, TAC4 (HGNC:16641)

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TAC4 Antibody (C-term) Blocking peptide - Protein Information

Name TAC4 (HGNC:16641)

Function
Tachykinins are active peptides which excite neurons, evoke behavioral responses, are potent vasodilators and secretagogues, and contract (directly or indirectly) many smooth muscles. Endokinin-A induces thermal hyperalgesia and pain-related behavior such as scratching following intrathecal administration in rats. These effects are suppressed by treatment with endokinin-C. Endokinin-A/B reduces arterial blood pressure and increases sperm motility.

Cellular Location
Secreted.

Tissue Location
Expressed at low levels in the uterus of both pregnant and non-pregnant women. Isoform 1 is found only in the adrenal gland and fetal liver. Isoform 2 is found in heart, liver, bone marrow, prostate, adrenal gland and testis. Isoform 3 and isoform 4 are expressed predominantly in adrenal gland and placenta

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TAC4 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

TAC4 Antibody (C-term) Blocking peptide - Images

TAC4 Antibody (C-term) Blocking peptide - Background

This gene is a member of the tachykinin family ofneurotransmitter-encoding genes. Tachykinin proteins are cleavedinto small, secreted peptides that activate members of a family ofreceptor proteins. The products of this gene preferentiallyactivate tachykinin receptor 1, and are thought to regulateperipheral endocrine and paracrine functions including bloodpressure, the immune system, and endocrine gland secretion. Theproducts of this gene lack a dibasic cleavage site found in othertachykinin proteins. Consequently, the nature of the cleavageproducts generated in vivo remains to be determined. Multipletranscript variants encoding different isoforms have been found forthis gene.

TAC4 Antibody (C-term) Blocking peptide - References

Klassert, T.E., et al. J. Neuroimmunol. 227 (1-2), 202-207 (2010) :Tran, A.H., et al. Neuropeptides 43(1):1-12(2009)Cunningham, S., et al. J. Neuroimmunol. 183 (1-2), 208-213 (2007) :Page, N.M. Vascul. Pharmacol. 45(4):200-208(2006)Page, N.M. Cell. Mol. Life Sci. 61(13):1652-1663(2004)