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TAC4 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12845B

Product Information

Application	WB, E
Primary Accession	Q86UU9
Other Accession	NP_001070971.1, NP_001070974.1, NP_001070972.1, NP_733786.2, NP_001070973.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32589
Calculated MW	12305
Antigen Region	85-113

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)
Target/Specificity	This TAC4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 85-113 amino acids from the C-terminal region of human TAC4.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TAC4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

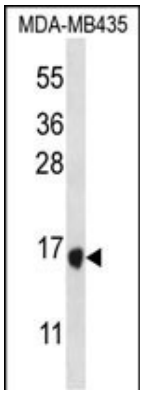
Background

This gene is a member of the tachykinin family of neurotransmitter-encoding genes. Tachykinin proteins are cleaved into small, secreted peptides that activate members of a family of receptor proteins. The products of this gene preferentially activate tachykinin receptor 1, and are thought to regulate peripheral endocrine and paracrine functions including blood pressure, the immune system, and endocrine gland secretion. The products of this gene lack a dibasic cleavage site found in other tachykinin proteins. Consequently, the nature of the cleavage products generated in vivo remains to be determined. Multiple transcript variants encoding different isoforms have been found for this gene.

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)

Images



TAC4 Antibody (C-term) (Cat. #AP12845b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the TAC4 antibody detected the TAC4 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.