

Rabbit anti-Human TAC4 Polyclonal Antibody | anti-TAC4 antibody

TAC4 Antibody (C-term)

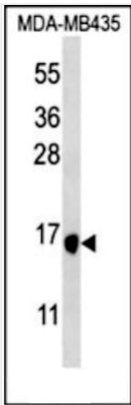
CATALOG # AAA283988	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

TAC4; Polyclonal Antibody; TAC4 Antibody (C-term); Tachykinin-4; Preprotachykinin-C; PPT-C; Endokinin-A; EKA; Endokinin-A/B; EKA/B; Endokinin-C; EKC; TAC4 HGNC:16641); anti-TAC4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
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.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	85-113
Sequence Length	96
Applicable Applications for anti-TAC4 antibody	ELISA, WB (Western Blot)
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
Preparation and 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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-TAC4 antibody	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.
Product Categories/Family for anti-TAC4 antibody	Neuroscience
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	117938258
NCBI GeneID	255061
NCBI Accession #	NP_001070971.1; NP_001070972.1; NP_001070973.1; NP_001070974.1; NP_733786.2
NCBI GenBank Nucleotide #	NM_001077503.1
UniProt Accession #	Q86UU9; Q2M2P1; Q6ECK8; Q86UU6; Q86UU7; Q86UU8; Q8IWZ7
Molecular Weight	12305
NCBI Official Full Name	tachykinin-4 isoform beta
NCBI Official Synonym Full Names	tachykinin 4 (hemokinin)
NCBI Official Symbol	TAC4
NCBI Official Synonym Symbols	EK; HK1; HK-1; PPT-C
NCBI Protein Information	tachykinin-4
UniProt Protein Name	Tachykinin-4
UniProt Gene Name	TAC4

UniProt Synonym Gene Names	PPT-C; EKA; EKA/B; EKC
UniProt Entry Name	TKN4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/tac4-antibody-western-blot-elisa/283988>