

Endokinin-A/B Rabbit pAb

Catalog # AP98050

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q86UU9
Other Accession	Q86UU9
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12305
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Hemokinin 1
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the tachykinin family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	255061
Other Names	EK; HK-1; HK1; PPT-C; TKN4_HUMAN; TAC4; Preprotachykinin-C (PPT-C); tachykinin precursor 4; tachykinin 4; hemokinin
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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