



Rabbit Anti-Endokinin-A/B antibody

SL16470R

Product Name:	Endokinin-A/B
Chinese Name:	Endokinin-A/B抗体
Alias:	EK; Endokinin; HK 1; EKA/B; HK1; TKN4_HUMAN; Preprotachykinin C; TAC4; Tachykinin 4 (hemokinin); Tachykinin 4; Endokinin-A.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	5.0kDa
Cellular localization:	cytoplasmicSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Hemokinin 1:
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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]

Function:

Hemokinin 1 are from the Tachykinins family of proteins that are active peptides which excite neurons. They evoke behavioral responses and are potent vasodilators and secretagogues. Hemokinin 1 involved in contraction (directly or indirectly) of many smooth muscles. Hemokinin 1 is cleaved into three short peptides Edokinin A,B,C. 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.

Subcellular Location:

Secreted.

Tissue Specificity:

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.

Similarity:

Belongs to the tachykinin family.

SWISS:

Q86UU9

Gene ID:

255061

Database links:

[Entrez Gene: 255061](#) Human

[Omim: 607833](#) Human

[SwissProt: Q86UU9](#) Human

[Unigene: 652130](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

