

**TAC3 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14366c****Specification**

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**TAC3 Antibody (Center) - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">Q9UHF0</a>
Other Accession	<a href="#">NP_001171525.1</a> , <a href="#">NP_037383.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	13438
Antigen Region	54-83

**TAC3 Antibody (Center) - Additional Information****Gene ID** 6866**Other Names**

Tachykinin-3, ZNEUROK1, Neurokinin-B, NKB, Neuromedin-K, TAC3, NKNB

**Target/Specificity**

This TAC3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 54-83 amino acids from the Central region of human TAC3.

**Dilution**

IHC-P~~1:10~50

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**

TAC3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**TAC3 Antibody (Center) - Protein Information****Name** TAC3

**Synonyms** NKNB

**Function** Tachykinins are active peptides which excite neurons, evoke behavioral responses, are potent vasodilators and secretagogues, and contract (directly or indirectly) many smooth muscles (By similarity). Is a critical central regulator of gonadal function.

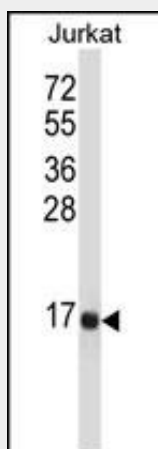
**Cellular Location**

Secreted.

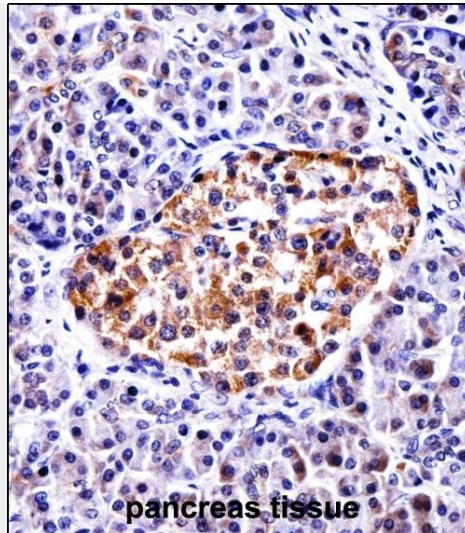
**TAC3 Antibody (Center) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TAC3 Antibody (Center) - Images**

TAC3 Antibody (Center) (Cat. #AP14366c) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the TAC3 antibody detected the TAC3 protein (arrow).



TAC3 Antibody (Center) (AP14366c) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TAC3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **TAC3 Antibody (Center) - Background**

This gene encodes a member of the tachykinin family of secreted neuropeptides. The encoded protein is primarily expressed in the central and peripheral nervous system and functions as a neurotransmitter. This protein is the ligand for the neurokinin-3 receptor. This protein is also expressed in the outer syncytiotrophoblast of the placenta and may be associated with pregnancy-induced hypertension and pre-eclampsia. Mutations in this gene are associated with normosmic hypogonadotropic hypogonadism. Alternate splicing results in multiple transcript variants.

#### **TAC3 Antibody (Center) - References**

Klassert, T.E., et al. J. Neuroimmunol. 227 (1-2), 202-207 (2010) :  
Hrabovszky, E., et al. Eur. J. Neurosci. 31(11):1984-1998(2010)  
Gianetti, E., et al. J. Clin. Endocrinol. Metab. 95(6):2857-2867(2010)  
Young, J., et al. J. Clin. Endocrinol. Metab. 95(5):2287-2295(2010)  
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