10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TAC1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5872b

Product Information

Application	WB, FC, E
Primary Accession	P20366
Other Accession	P06767, P41540, P41539, NP_003173.1, NP_054704.1
Reactivity	Human
Predicted	Mouse, Rabbit, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22432
Calculated MW	15003
Antigen Region	102-129

Additional Information

Gene ID	6863
Other Names	Protachykinin-1, PPT, Substance P, Neurokinin A, NKA, Neuromedin L, Substance K, Neuropeptide K, NPK, Neuropeptide gamma, C-terminal-flanking peptide, TAC1, NKA, NKNA, TAC2
Target/Specificity	This TAC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 102-129 amino acids from the C-terminal region of human TAC1.
Dilution	WB~~1:1000 FC~~1:10~50 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	TAC1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TAC1
Synonyms	NKA, NKNA, TAC2

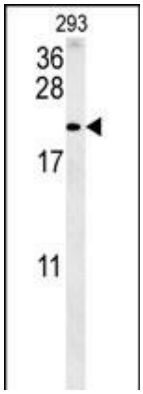
Function

Tachykinins are active peptides which excite neurons, evoke behavioral responses, are potent vasodilators and secretagogues, and contract (directly or indirectly) many smooth muscles. [Neurokinin A]: Is a ligand for TACR2, and triggers G protein-coupled receptor signaling via activation of G(q) and phosphatidylinositol hydrolysis by phospholipase C (PubMed:35882833). Binding to TACR2 also triggers signaling via activation of adenylate cyclase activity which results in increased intracellular levels of cyclic AMP (cAMP).

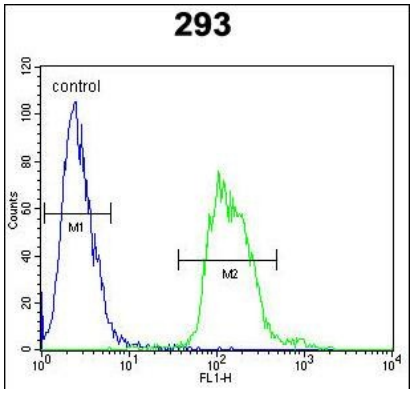
Cellular Location

Secreted.

Images



TAC1 Antibody (C-term) (Cat. #AP5872b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the TAC1 antibody detected the TAC1 protein (arrow).



TAC1 Antibody (C-term) (Cat. #AP5872b) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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