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

Substance P Antibody

Rabbit mAb
Catalog # AP91144

Product Information

Application	IHC
Primary Accession	P20366
Reactivity	Human
Clonality	Monoclonal
Other Names	Protachykinin-1; PPT; Neurokinin A; Neuromedin L; Substance K; Neuropeptide K; NPK; TAC1; NKA, NKNA, TAC2; Tachykinin 1; tachykinin 2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	15003

Additional Information

Dilution	IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Substance P
Description	Tachykinins are active peptides which excite neurons, evoke behavioral responses, are potent vasodilators and secretagogues, and contract (directly or indirectly) many smooth muscles.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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

Image not found : 202311/AP91144-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human brain, using Substance P Antibody.