



## Rabbit Anti-Neurokinin A antibody

SL0069R

<b>Product Name:</b>	Neurokinin A
<b>Chinese Name:</b>	神经激肽A抗体
<b>Alias:</b>	Neurokinin alpha; Neurokinin K; NeurokininA; NeurokininK; Neuromedin L; NeuromedinL; Neuropeptide gamma; Neuropeptide K; NeuropeptideK; NK A; NKA; NKN A; NKNA; NPK; PPT;Preprotachykinin 1; Preprotachykinin1; Protachykinin 1 precursor; Protachykinin1 precursor; Substance K; SubstanceK; TAC 1; TAC I ; TAC1; TACI; TKN 1; TKN1; neurokinin A/neuropeptide K.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	11/13kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human neurokinin A/neuropeptide K:98-107/129
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes four products of the tachykinin peptide hormone family, substance P and neurokinin A, as well as the related peptides, neuropeptide K and neuropeptide

gamma. These hormones are thought to function as neurotransmitters which interact with nerve receptors and smooth muscle cells. They are known to induce behavioral responses and function as vasodilators and secretagogues. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] This antibody is cross active with Neurokinin B.

**Function:**

Tachykinins are active peptides which excite neurons, evoke behavioral responses, are potent vasodilators and secretagogues, and contract (directly or indirectly) many smooth muscles.

**Subcellular Location:**

Secreted.

**Similarity:**

Belongs to the tachykinin family.

**SWISS:**

P20366

**Gene ID:**

6863

**Database links:**

[Entrez Gene: 6863](#) Human

[Entrez Gene: 21333](#) Mouse

[Entrez Gene: 24806](#) Rat

[Omim: 162320](#) Human

[SwissProt: P20366](#) Human

[SwissProt: P41539](#) Mouse

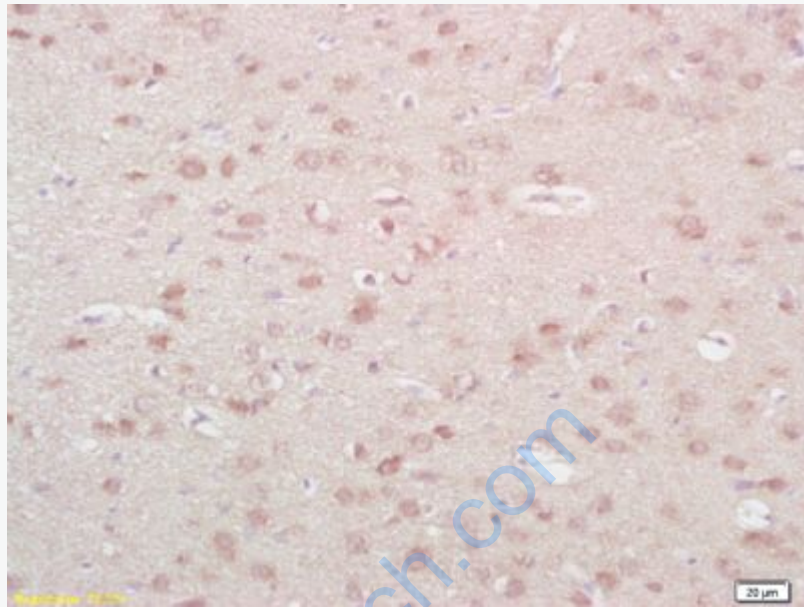
[SwissProt: P06767](#) Rat

[Unigene: 2563](#) Human

[Unigene: 1920](#) Rat

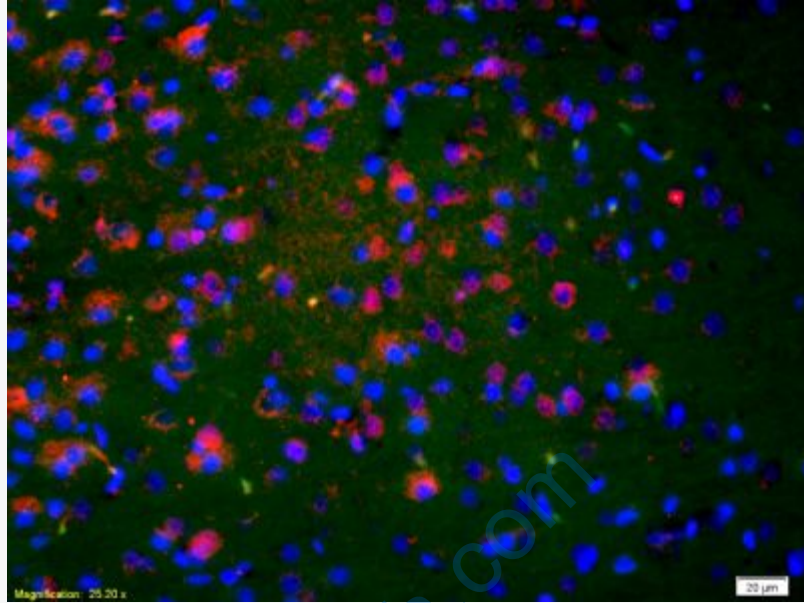
**Important Note:**

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



**Picture:**

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-NKA/Neurokinin A Polyclonal Antibody, Unconjugated(SL0069R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3  
conjugated (SL0069R)used at 1:200 dilution for 40 minutes at 37°C.  
DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei