

Rabbit Anti-Neurokinin A antibody

SL0069R

Product Name	Neurokinin A
Chinese Name	神经激肽 A 抗体
Alias	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.
Research Area	Neurobiology The new supersedes the old
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human, Mouse, Rat, (predicted: Chicken, Dog, Cow, Horse, Rabbit, Sheep,) WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	11/13kDa
Cellular localization	Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human neurokinin A/neuropeptide K: 98-107/129
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention

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

PubMed

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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.

**Product
Detail**

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

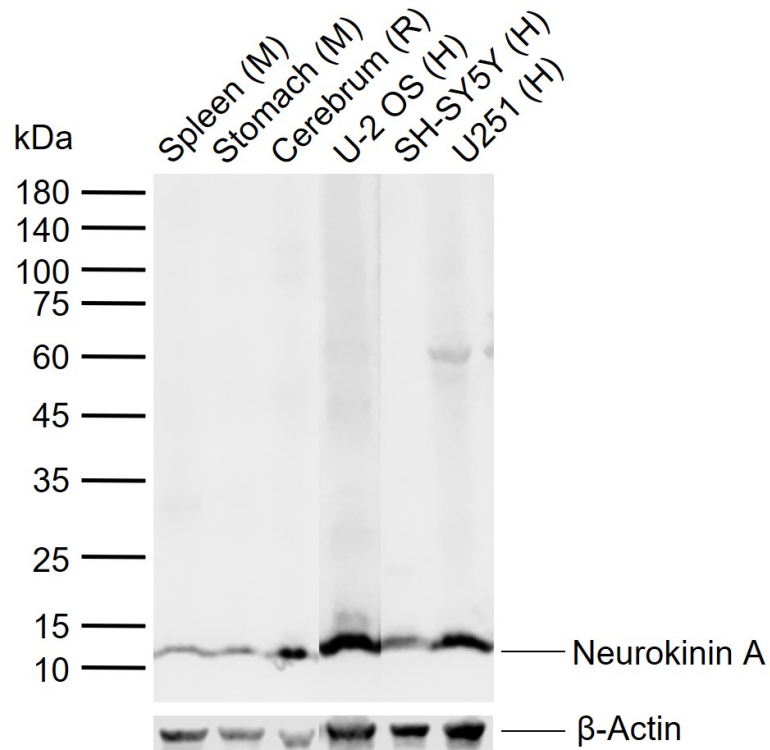
[SwissProt: P41539](#) Mouse

[SwissProt: P06767](#) Rat

[Unigene: 2563](#) Human

[Unigene: 1920](#) Rat

**Product
Picture**



Sample:

Lane 1: Mouse Spleen tissue lysates

Lane 2: Mouse Stomach tissue lysates

Lane 3: Rat Cerebrum tissue lysates

Lane 4: Human U-2 OS cell lysates

Lane 5: Human SH-SY5Y cell lysates

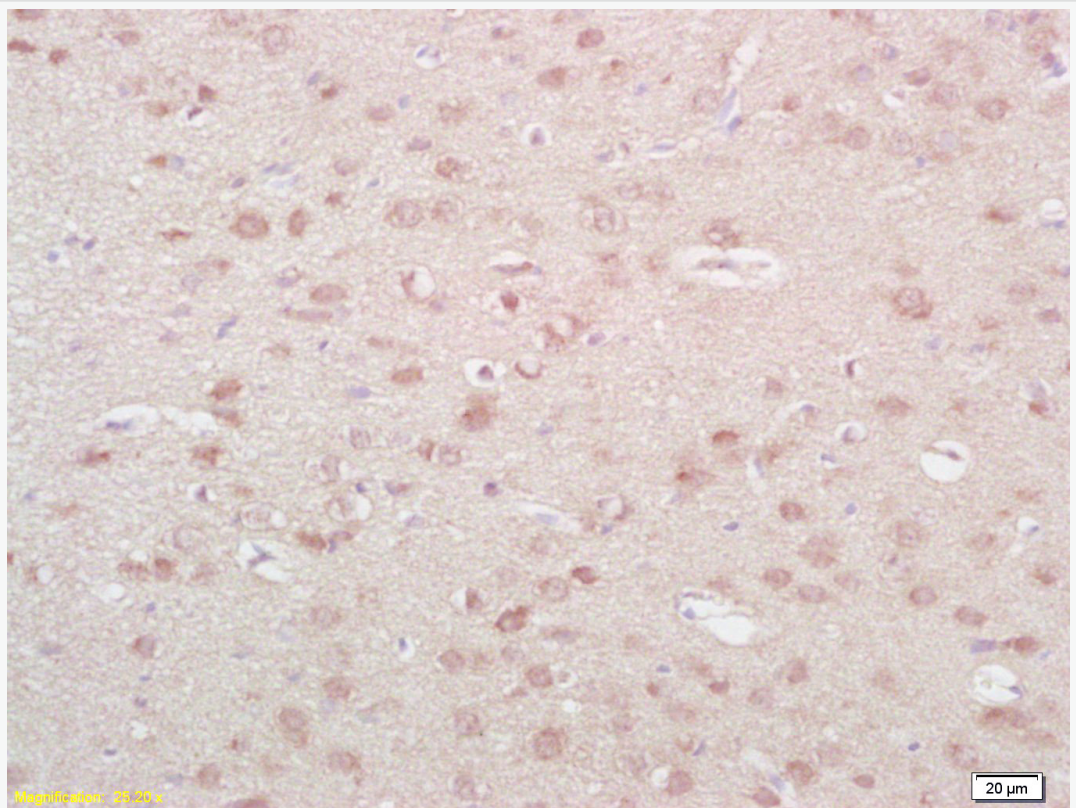
Lane 6: Human u251 cell lysates

Primary: Anti-Neurokinin A (SL0069R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 11/13 kDa

Observed band size: 11 kDa



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block

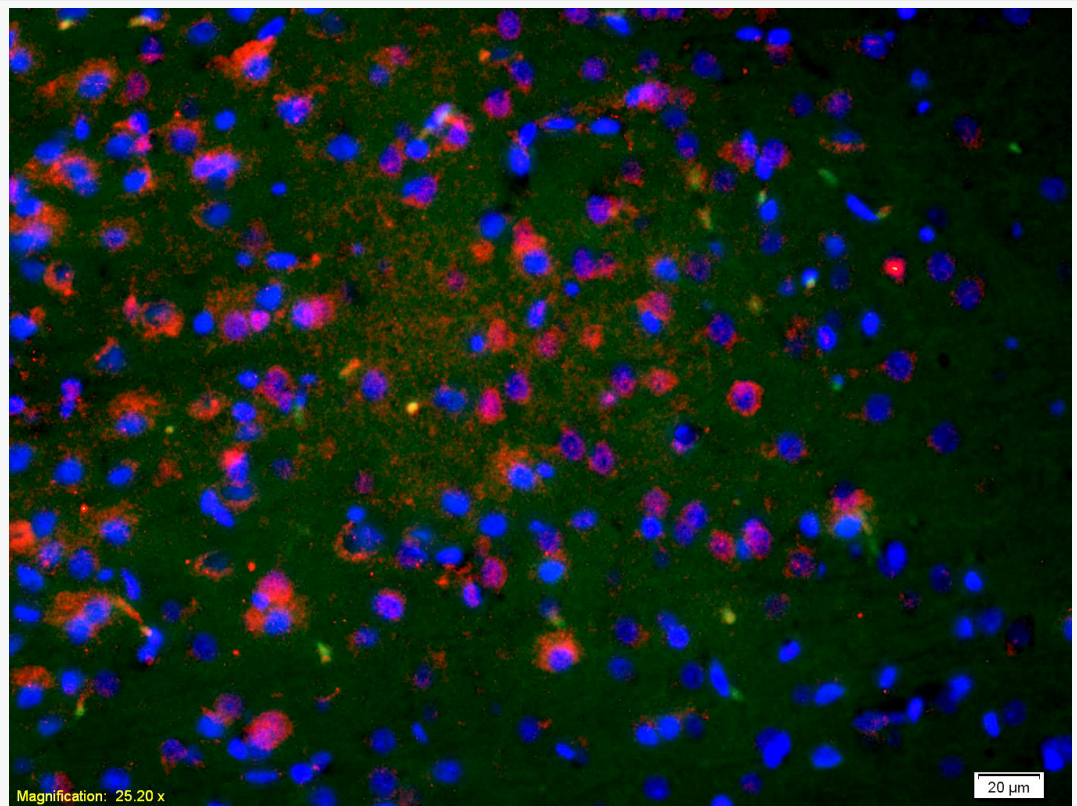
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer

(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



Tissue/cell: rat brain tissue;4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min;
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; The secondary antibody was
Goat Anti-Rabbit IgG, Cy3 conjugated (SL0295G-Cy3)used at 1:200 dilution for
40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei