

## Rabbit Anti-Neurokinin A Receptor antibody

SL0123R

**Product Name** Neurokinin A Receptor

**Chinese Name** 神经激肽 A 受体/K 物质受体抗体

**Alias** Neurokinin A receptor; SKR; Substance-K receptor; Neurokinin 2 receptor; NK 2 receptor; NK 2R; NK-2R; NK2 receptor; NK2R; NKNAR; TAC 2R; TAC2R; Tachykinin receptor 2 (substance K receptor; neurokinin 2 receptor); Tachykinin receptor 2; TACR 2; TAC R2; TACR2.

**Research Area** Neurobiology

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Rat (predicted:Human,Mouse,Chicken,Pig,Cow)

**Applications** IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 44kDa

**Cellular localization** The cell membrane

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human NK2R: 223-300/398 <Extracellular>

**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**

[PubMed](#)

This gene belongs to a family of genes that function as receptors for tachykinins. Receptor affinities are specified by variations in the 5'-end of the sequence. The receptors belonging to this family are characterized by interactions with G proteins and 7 hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin neuropeptide substance K, also referred to as neurokinin A. [provided by RefSeq, Jul 2008]

**Function:**

This is a receptor for the tachykinin neuropeptide substance K (neurokinin A). It is associated with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of affinity of this receptor to tachykinins is: substance K > neuromedin-K > substance P.

**Subcellular Location:**

Cell membrane; Multi-pass membrane protein.

**Similarity:**

Belongs to the G-protein coupled receptor 1 family.

**Product  
Detail**

**SWISS:**

P21452

**Gene ID:**

6865

**Database links:**

[Entrez Gene: 6865](#) Human

[Entrez Gene: 21337](#) Mouse

[Entrez Gene: 25007](#) Rat

[Omim: 162321](#) Human

[SwissProt: P21452](#) Human

[SwissProt: P30549](#) Mouse

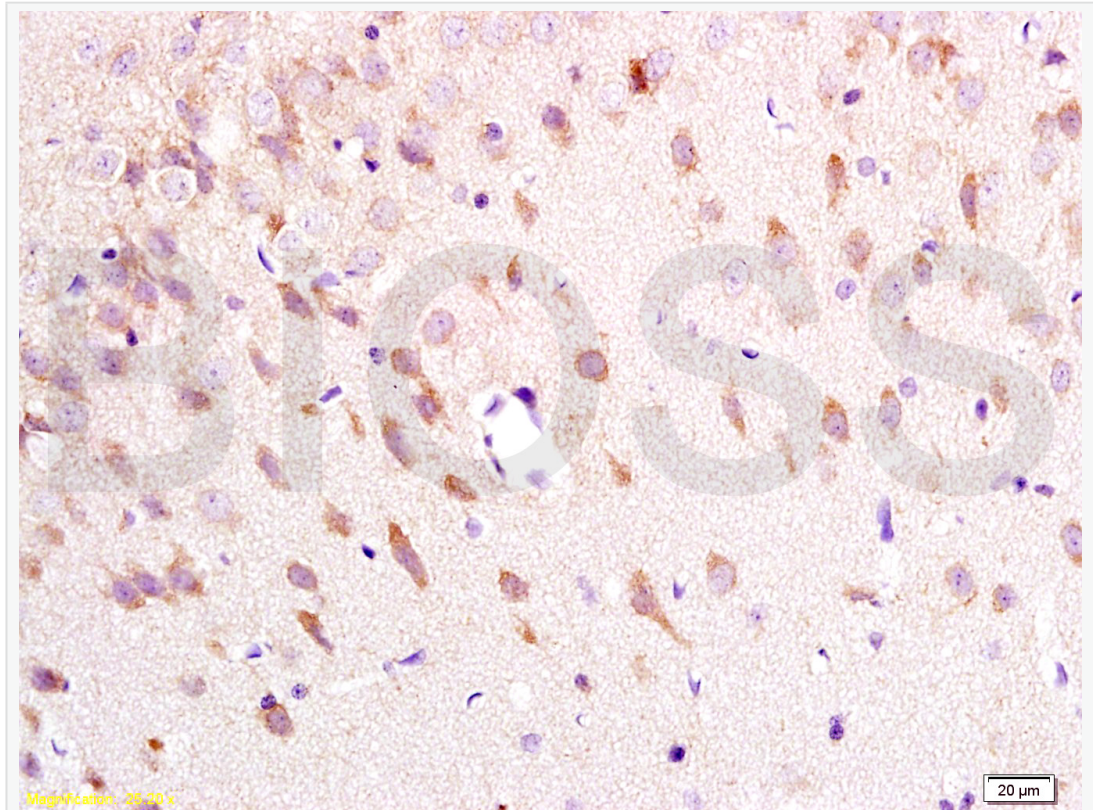
[SwissProt: P16610](#) Rat

[Unigene: 88372](#) Human

[Unigene: 8054](#) Mouse

[Unigene: 202846](#) Rat

**Product  
Picture**



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-NK-2R Polyclonal Antibody, Unconjugated(SL0123R) 1:200,  
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023)  
and DAB(C-0010) staining



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