



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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	44kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or 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
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	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.

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

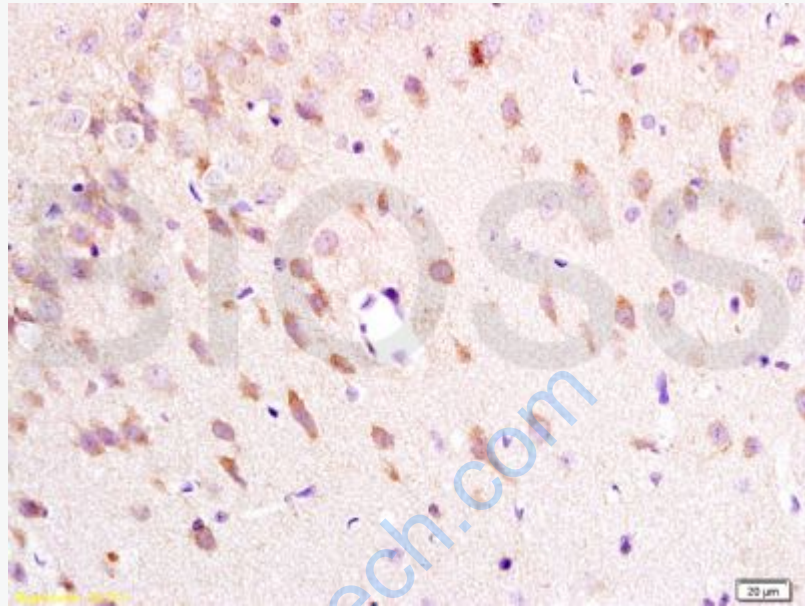
[Unigene: 8054](#) Mouse

[Unigene: 202846](#) Rat

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-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