

# **Neurokinin A Receptor Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54183

### **Specification**

## **Neurokinin A Receptor Polyclonal Antibody - Product Information**

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession P21452

Reactivity
Host
Clonality
Calculated MW

Rat, Pig, Bovine
Rabbit
Polyclonal
44 KDa

Calculated MW 44 KDa Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human NK2R

Epitope Specificity 223-300/398

Isotype Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cell membrane; Multi-pass membrane

protein.

SIMILARITY Belongs to the G-protein coupled receptor

1 family.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

#### **Background Descriptions**

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]

## Neurokinin A Receptor Polyclonal Antibody - Additional Information

## **Gene ID** 6865

### **Other Names**

Substance-K receptor, SKR, NK-2 receptor, NK-2R, Neurokinin A receptor, Tachykinin receptor 2, TACR2, NK2R, NKNAR, TAC2R

## Dilution

<span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class</pre>

="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class

="dilution\_IF">IF $\sim$ 1:50 $\sim$ 200</span><br \><span class ="dilution\_ICC">ICC $\sim$ N/A</span><br \><span class ="dilution\_E">E $\sim$ N/A</span>



## **Storage**

Store at -20  $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. 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  $^{\circ}$ C.

## **Neurokinin A Receptor Polyclonal Antibody - Protein Information**

Name TACR2

Synonyms NK2R, NKNAR, TAC2R

#### **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.

### **Cellular Location**

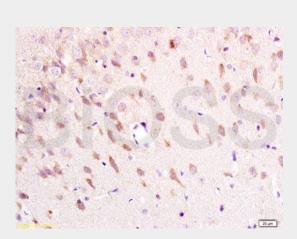
Cell membrane; Multi-pass membrane protein.

## **Neurokinin A Receptor Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

#### **Neurokinin A Receptor Polyclonal Antibody - Images**



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(bs-0123R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

