

Product datasheet

Anti-NK-1R antibody ab13133

[1 References](#) [2 Images](#)

Overview

Product name	Anti-NK-1R antibody
Description	Rabbit polyclonal to NK-1R
Host species	Rabbit
Tested applications	Suitable for: IHC-P, IHC (PFA fixed)
Species reactivity	Reacts with: Mouse, Rat, Human Does not react with: Guinea pig
Immunogen	Synthetic peptide (unfortunately, the amino acid sequence is considered to be commercially sensitive)
Epitope	Second extracellular domain

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium Azide Constituents: PBS, pH 7.7
Purity	Immunogen affinity purified
Purification notes	Peptide immunogen affinity column
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab13133 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		

Application	Abreviews	Notes
IHC (PFA fixed)		

Application notes

IHC-P: 1/100 - 1/200.
Immunohistochemistry (PFA fixed): 1/500 - 1/1000.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

Function

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

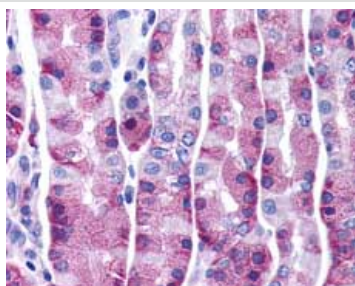
Sequence similarities

Belongs to the G-protein coupled receptor 1 family.

Cellular localization

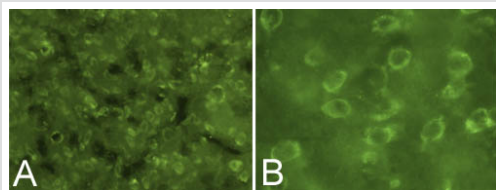
Cell membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neurokinin 1 Receptor antibody (ab13133)

ab13133 staining human Neurokinin 1 Receptor NK1 in stomach by Immunohistochemistry (FFPE-sections).



Immunohistochemistry (PFA fixed) - Anti-Neurokinin 1 Receptor antibody (ab13133)

ab13133 at a dilution of 1/500, staining Neurokinin-containing cells in rat brain (30µm coronal sections; Alexa 488 secondary at 1/2000) in free floating IHC (see protocol link for detailed description). Images showing cytoplasmic labeling of neurons in the hypothalamus [A] 20x objective and [B] 40x objective. No labeling observed following omission of primary antibody.

Sections were viewed using an Axioplan 2 Imaging microscope (Imaging Associates) fitted with 10x, 20x and 40x Plan-Neofluorobjectives (Zeiss, Germany) and images were taken using a AxioCam Hrm digital camera (Zeiss, Germany) and AxioVision software (Imaging Associates).

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