

Anti-Neuromedin B Antibody
Catalog # AP53762**Specification**

Anti-Neuromedin B Antibody - Product Information

Application	WB
Primary Accession	P08949
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13252

Anti-Neuromedin B Antibody - Additional Information**Gene ID** 4828**Other Names**
Neuromedin-B**Target/Specificity**
Recognizes endogenous levels of Neuromedin B protein.**Dilution**
WB~~1/500 - 1/1000**Format**
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.**Storage**
Store at -20 °C.Stable for 12 months from date of receipt**Anti-Neuromedin B Antibody - Protein Information****Name** NMB**Function**
Stimulates smooth muscle contraction (By similarity). Induces sighing by acting directly on the pre-Botzinger complex, a cluster of several thousand neurons in the ventrolateral medulla responsible for inspiration during respiratory activity (By similarity). Contributes to the induction of sneezing following exposure to chemical irritants or allergens which causes release of NMB by nasal sensory neurons and activation of NMBR-expressing neurons in the sneeze-evoking region of the brainstem (By similarity). These in turn activate neurons of the caudal ventral respiratory group, giving rise to the sneezing response (By similarity). Contributes to induction of acute itch, possibly through activation of the NMBR receptor on dorsal root ganglion neurons (By similarity). Increases expression of NMBR and steroidogenic mediators STAR, CYP11A1 and HSD3B1 in Leydig cells, induces secretion of testosterone by Leydig cells and also promotes Leydig cell proliferation (By similarity). Plays a role in the innate immune response to influenza A virus infection by

enhancing interferon alpha expression and reducing expression of IL6 (PubMed:31601264). Plays a role in CSF1-induced proliferation of osteoclast precursors by contributing to the positive regulation of the expression of the CSF1 receptor CSF1R (By similarity).

Cellular Location

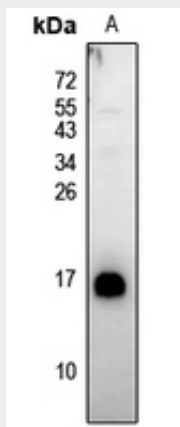
Secreted {ECO:0000250|UniProtKB:Q9CR53}. Cell projection, neuron projection {ECO:0000250|UniProtKB:Q9CR53}. Note=In neurons of the retrotrapezoid nucleus//parafacial respiratory group, expressed on neuron projections which project into the pre-Botzinger complex. {ECO:0000250|UniProtKB:Q9CR53}

Anti-Neuromedin B 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 Cytometry](#)
- [Cell Culture](#)

Anti-Neuromedin B Antibody - Images



Western blot analysis of Neuromedin B expression in MCF7 (A) whole cell lysates.

Anti-Neuromedin B Antibody - Background

Rabbit polyclonal antibody to Neuromedin B