

NMBR Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16812a**Specification**

NMBR Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P28336](#)**NMBR Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 4829**Other Names**

Neuromedin-B receptor, NMB-R, Epididymis tissue protein Li 185a, Neuromedin-B-preferring bombesin receptor, NMBR

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NMBR Antibody (N-term) Blocking Peptide - Protein Information**Name** NMBR**Function**

Receptor for neuromedin-B (PubMed:1655761). Contributes to the maintenance of basal sigh rate through signaling in 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 its activation on dorsal root ganglion neurons by the NMB peptide (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

Cell membrane; Multi-pass membrane protein

Tissue Location

Expressed in epididymis (at protein level).

NMBR Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NMBR Antibody (N-term) Blocking Peptide - Images**NMBR Antibody (N-term) Blocking Peptide - Background**

Neuromedin B receptor binds neuromedin B, a potent mitogen and growth factor for normal and neoplastic lung and gastrointestinal epithelial tissue.

NMBR Antibody (N-term) Blocking Peptide - References

Luttrell, L.M. Mol. Biotechnol. 39(3):239-264(2008) Dowal, L., et al. J. Biol. Chem. 281(33):23999-24014(2006) Matusiak, D., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 288 (4), G718-G728 (2005) :Lee, S., et al. FEBS Lett. 460(2):263-269(1999) Sainz, E., et al. J. Biol. Chem. 273(26):15927-15932(1998)