

**NMBR Antibody (Cytoplasmic Domain)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10176****Specification**

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**NMBR Antibody (Cytoplasmic Domain) - Product Information**

Application	IHC
Primary Accession	<a href="#">P28336</a>
Reactivity	Human, Mouse, Rabbit, Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43kDa KDa

**NMBR Antibody (Cytoplasmic Domain) - Additional Information****Gene ID** 4829**Other Names**

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

**Target/Specificity**

Human NMBR. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

NMBR Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

**NMBR Antibody (Cytoplasmic Domain) - Protein Information****Name** NMBR**Function**

Receptor for neuromedin-B (PubMed:<a href="http://www.uniprot.org/citations/1655761" target="\_blank">1655761</a>). 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:<a

href="http://www.uniprot.org/citations/31601264" target="\_blank">31601264</a>). 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).

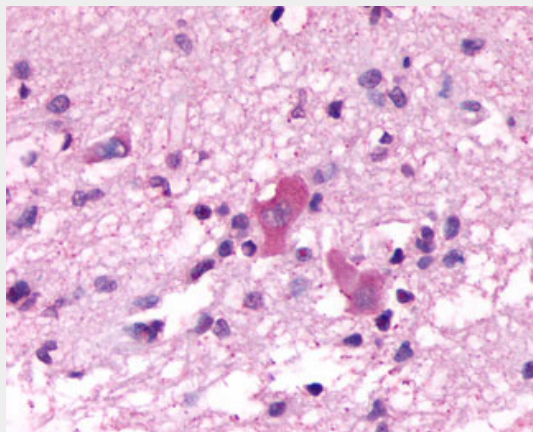
**Volume**

50 µl

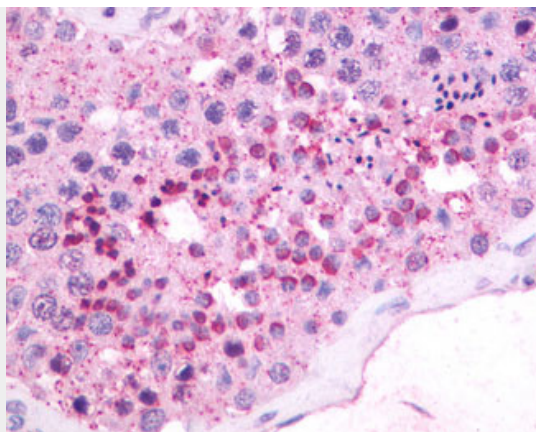
**NMBR Antibody (Cytoplasmic Domain) - Protocols**

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

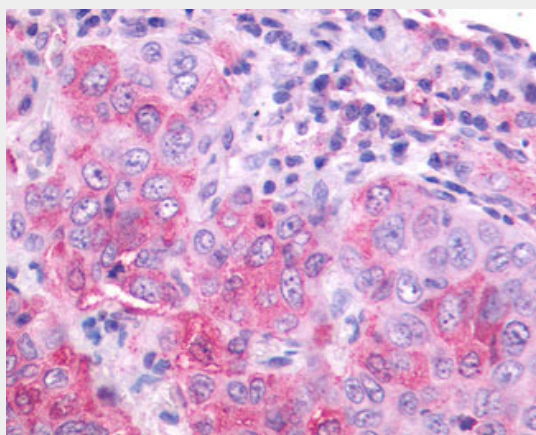
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**NMBR Antibody (Cytoplasmic Domain) - Images**

Anti-NMBR antibody IHC of human brain, olfactory bulb.



Anti-NMBR antibody IHC of human testis.



Anti-NMBR antibody IHC of human lung, carcinoma.

#### **NMBR Antibody (Cytoplasmic Domain) - Background**

Receptor for neuromedin-B.

#### **NMBR Antibody (Cytoplasmic Domain) - References**

Corjay M.H.,et al.J. Biol. Chem. 266:18771-18779(1991).

Li J.,et al.Mol. Cell. Proteomics 9:2517-2528(2010).

Mungall A.J.,et al.Nature 425:805-811(2003).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.