10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# NMBR Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16812a

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | P28336 |
| **Other Accession** | NP_002502.2 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB36472 |
| **Calculated MW** | 43435 |
| **Antigen Region** | 1-30 |

## Additional Information

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| **Gene ID** | 4829 |
| **Other Names** | Neuromedin-B receptor, NMB-R, Epididymis tissue protein Li 185a, Neuromedin-B-preferring bombesin receptor, NMBR |
| **Target/Specificity** | This NMBR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human NMBR. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | NMBR Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **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 |

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| | 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). |

## Background

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

## References


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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)
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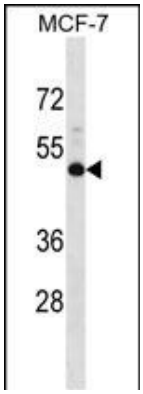
## Images




NMBR Antibody (N-term) (Cat. #AP16812a) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the NMBR antibody detected the NMBR protein (arrow).