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Anti-NMU Picoband Antibody
Catalog # ABO12968

Specification

Anti-NMU Picoband Antibody - Product Information

Application	**WB**
Primary Accession	P48645
Host	**Rabbit**
Reactivity	**Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for NMU detection. Tested with WB in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-NMU Picoband Antibody - Additional Information

Gene ID 10874

Other Names
Neuromedin-U, Neuromedin-U-25, NmU-25, NMU

Application Details
Western blot, 0.1-0.5 µg/ml

Subcellular Localization
Secreted.

Tissue Specificity
Expressed throughout the enteric nervous system with highest levels being found in the jejunum.

Contents
Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen
A synthetic peptide corresponding to a sequence of human NMU (FRVDEEFQSPFASQSRGYFLFRPRN).

Cross Reactivity
No cross reactivity with other proteins.

Storage	**At -20˚C; for one year. After r˚Constitution, at 4˚C; for one month. It˚Can also be aliquotted and stored frozen at -20˚C; for a longer time. Avoid repeated freezing and thawing.**

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Anti-NMU Picoband Antibody - Protein Information

Name NMU

Function
[Neuromedin-U-25]: Ligand for receptors NMUR1 and NMUR2 (By similarity). Stimulates muscle contractions of specific regions of the gastrointestinal tract. In humans, NmU stimulates contractions of the ileum and urinary bladder.

Cellular Location
Secreted.

Tissue Location
Expressed throughout the enteric nervous system with highest levels being found in the jejunum

Anti-NMU Picoband 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 Cytomety
- Cell Culture

Anti-NMU Picoband Antibody - Images

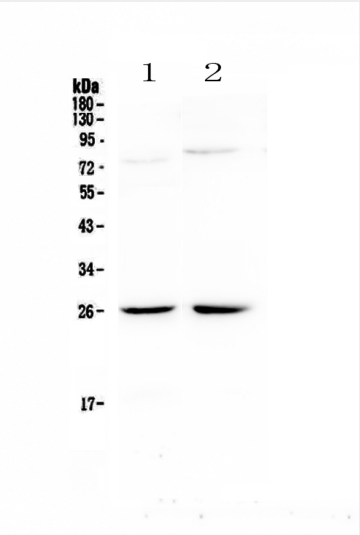

Figure 1. Western blot analysis of NMU using anti-NMU antibody (ABO12968).

Anti-NMU Picoband Antibody - Background

Neuromedin U (NMU) is a neuropeptide with potent activity on smooth muscle, which was isolated

first from porcine spinal cord and later from other species. It is a member of the neuromedin family of neuropeptides. The encoded protein is a precursor that is proteolytically processed to generate a biologically active neuropeptide that plays a role in pain, stress, immune-mediated inflammatory diseases and feeding regulation. Increased expression of this gene was observed in renal, pancreatic and lung cancers. Alternative splicing results in multiple transcript variants encoding different isoforms. Some of these isoforms may undergo similar processing to generate the mature peptide.