

Product datasheet for **AM26733PU-N**

NMUR2 Mouse Monoclonal Antibody [Clone ID: 2A2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2A2
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on paraffin sections: 20 µg/ml (1/20). <i>Positive control:</i> Skeletal muscle.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	DNA vaccine
Specificity:	This antibody detects NMU-R2. The specificity of the antibody was verified by flow cytometry with cells expressing the recombinant protein.
Formulation:	Phosphate buffered saline pH 7.2 (PBS) State: Purified State: Lyophilized affinity purified Ig fraction Stabilizer: 5 mg/ml bovine serum albumin (BSA) Preservative: 0.1% Kathon
Reconstitution Method:	Reconstitute by adding 0.5 ml distilled water. This stock solution contains 0.4 mg/ml IgG.
Purification:	Protein G
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 month or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	neuromedin U receptor 2
Database Link:	Entrez Gene 56923 Human Q9GZQ4



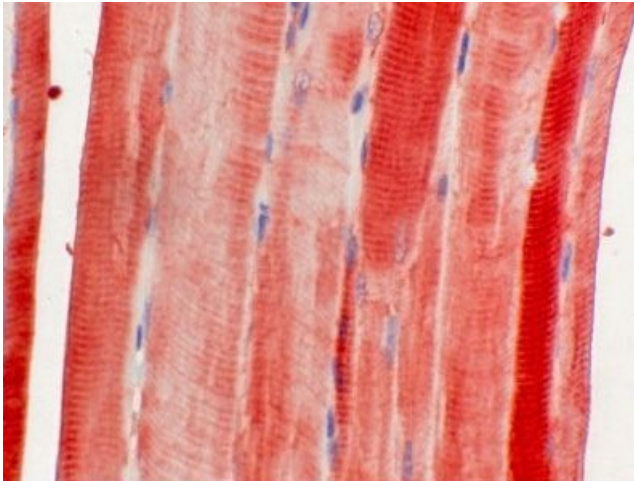
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Background:

Neuromedin - U receptor 2 (NMU - R2) belongs to the G - protein coupled receptor 1 family. The mature protein is made up of 415 amino acids with one disulfide bond and three N - linked glycosylation sites. NMU - R2 is the receptor for Neuromedin s U (NMU) and S (NMS) which regulate important physiological functions, including feeding, energy balance, stress response, and nociception in the central nervous system (CNS). NMU - R2 is predominantly expressed in the CNS, particularly in the medulla oblongata, pontine reticular formation, spinal cord, and thalamus. Strong expression has also been described in testis whereas lower levels are present in a variety of peripheral tissues including the gastrointestinal tract, genitourinary tract, liver, pancreas, adrenal gland, thyroid gland, lung, spleen and thymus.

Synonyms:

NMUR-2, NMU2R, TGR1, G-protein coupled receptor TGR-1

Product images:

Immunohistochemistry: Human skeletal muscle (paraffin section), stained with AM26733PU-N.