



BMA BIOMEDICALS

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Monoclonal Antibody To Human NMU-R2
Neuromedin-U Receptor 2; FM-4; TGR-1; UniProt: Q9GZQ4

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 Neuromedins 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.

Product number: T-1239

Clone: 2A2

Lot: 01PO1228

TECHNICAL AND ANALYTICAL CHARACTERISTICS:

Host species; subclass:	Mouse IgG1, kappa light chain
Quantity:	200µg
Purification / Physical State:	Protein G purified, lyophilized
Format:	Affinity purified from serum-free cell culture supernatant, lyophilized. Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% Kathon as a preservative.
Storage and stability:	Original vial with lyophilized antibody is stable for 1 year from date of despatch. Aliquots of stock solution can be kept frozen at -20°C for two years from date of reconstitution; do not freeze working dilutions.
Approximate working dilution:	optimal dilution should be tested by serial dilution.
Immune Histochemistry:	20µg/ml (1:20)
Fixation:	Formalin / Paraffin (pretreatment with microwave required, see protocol under www.bma.ch)
Suggested positive control:	Skeletal muscle
Immunogen:	DNA vaccine.
Antigen, epitope:	The specificity of the antibody was verified by flow cytometry with cells expressing the recombinant protein.

This product contains Kathon as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to reverse engineer any part thereof, nor to use it in diagnostic or therapeutic applications.