

Datasheet for ABIN1409061

**anti-NMUR1 antibody (AA 31-80) (Cy3)**[Go to Product page](#)

## Overview

|                      |                                          |
|----------------------|------------------------------------------|
| Quantity:            | 100 µL                                   |
| Target:              | NMUR1                                    |
| Binding Specificity: | AA 31-80                                 |
| Reactivity:          | Human, Mouse, Rat                        |
| Host:                | Rabbit                                   |
| Clonality:           | Polyclonal                               |
| Conjugate:           | This NMUR1 antibody is conjugated to Cy3 |
| Application:         | Flow Cytometry (FACS)                    |

## Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human NMUR1 |
| Isotype:              | IgG                                                       |
| Cross-Reactivity:     | Human, Mouse, Rat                                         |
| Predicted Reactivity: | Cow, Sheep, Pig, Horse                                    |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|                   |                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------|
| Target:           | NMUR1                                                                                   |
| Alternative Name: | NMUR1/GPR66 ( <a href="#">NMUR1 Products</a> )                                          |
| Background:       | Synonyms: FM-3, G protein-coupled receptor 66, G-protein coupled receptor 66, G-protein |

## Target Details

coupled receptor FM-3, GPR66, Growth hormone secretagogue receptor family Member 3, Neuromedin U Receptor 1, Neuromedin-U receptor 1, NMU-R1, NMUR1, NMUR1\_HUMAN.

Background: Neuromedin U is a neuropeptide with high activity on smooth muscle. It is widely expressed in gastrointestinal systems and central nervous system (CNS). Peripheral activities of neuromedin U include smooth muscle stimulation, ion transport alterations in the gut and the regulation of local blood flow and adrenocortical function. Neuromedin U receptors 1 and 2 (NMUR1 and NMUR2) are multi-pass membrane proteins that belong to the G-protein coupled receptor 1 family of proteins. Both NMUR1 and NMUR2 act as receptors for the neuromedin U neuropeptide. NMUR1 is detected in peripheral organs, particularly in urogenital and gastrointestinal systems, with highest levels in testis. It's expression in CNS is low, but the protein has been detected in cerebellum, hippocampus, dorsal root ganglia and spinal cord. NMUR2 is predominantly detected in central nervous system with highest levels detected in medulla oblongata, spinal cord and thalamus. It may also be detected in testis but has low levels of expression in peripheral tissues.

Gene ID: 10316

UniProt: [Q9HB89](#)

## Application Details

Application Notes: FCM 1:20-100

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

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Expiry Date: 12 months