

Datasheet for ABIN1391170

**anti-NMUR1 antibody (AA 31-80) (Alexa Fluor 488)**[Go to Product page](#)**1** Image

## 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 Alexa Fluor 488
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.

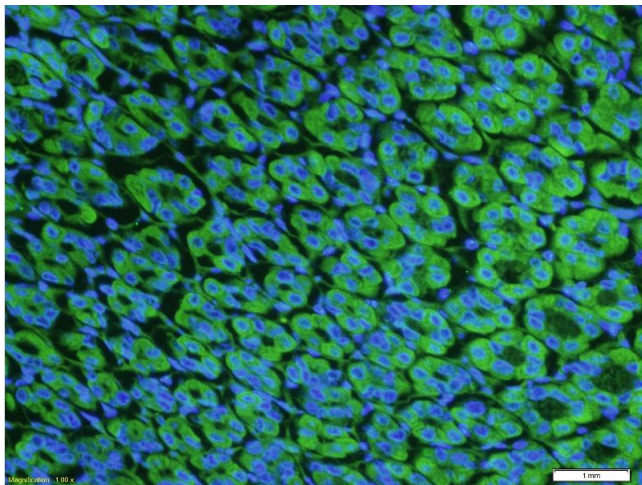
Storage: -20 °C

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

## Handling

Expiry Date: 12 months

## Images



### Immunofluorescence (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded mouse stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NMUR1) Polyclonal Antibody, AF488 Conjugated (bs-11420R-AF488) at 1:400 overnight at 4°C, and DAPI for nuclei staining.