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Datasheet for ABIN1387943  
**anti-NMUR2 antibody (AA 181-230)**

## Overview

Quantity:	100 µL
Target:	NMUR2
Binding Specificity:	AA 181-230
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NMUR2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NMUR2
Isotype:	IgG
Predicted Reactivity:	Human,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	NMUR2
Alternative Name:	NMUR2/GPR-FM4 ( <a href="#">NMUR2 Products</a> )

## Target Details

**Background:** Synonyms: FM4, G protein coupled receptor FM 4, G protein coupled receptor TGR 1, G-protein coupled receptor FM-4, G-protein coupled receptor TGR-1, Neuromedin U receptor 2, Neuromedin-U receptor 2, NMU R2, NMU-R2, NMU2R, NMUR2, NMUR2\_HUMAN, TGR1

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:** 56923

**UniProt:** [Q9GZQ4](#)

**Pathways:** [Feeding Behaviour](#)

## Application Details

**Application Notes:** ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200  
ICC 1:100-500

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

## Handling

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Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months