

Datasheet for ABIN7043366

anti-NMUR2 antibody (Extracellular, N-Term)**3** Images[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	NMUR2
Binding Specificity:	AA 3-16, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NMUR2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KLENASWIHDPLMK, corresponding to amino acid residues 3-16 of rat NMUR2
Isotype:	IgG
Characteristics:	Anti-NMUR2 (extracellular) Antibody (ABIN7043366, ABIN7044706 and ABIN7044707)) is a highly specific antibody directed against an epitope of the rat Neuromedin-U receptor 2. The antibody can be used in western blot and live cell imaging applications. It has been designed to recognize NMUR2 from rat, human, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

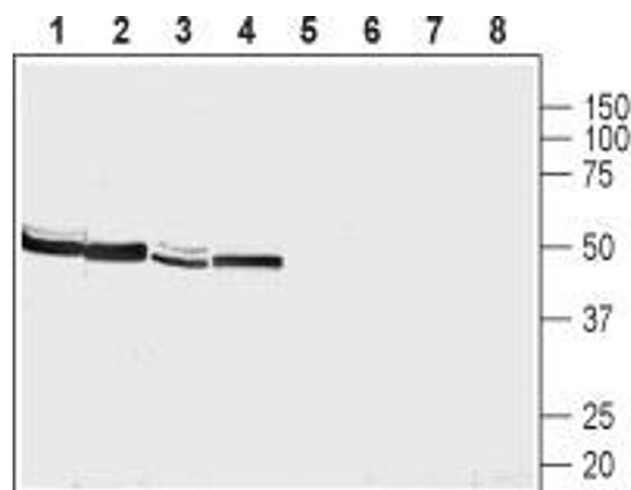
Target:	NMUR2
Alternative Name:	NMUR2 (NMUR2 Products)
Background:	Alternative names: NMUR2, Neuromedin-U receptor 2, NMU2 Receptor, G-protein coupled receptor TGR-1, G-protein coupled receptor FM-4, TGR1, GPR-FM4, SNORF72
Gene ID:	64042
NCBI Accession:	NM_020167
UniProt:	Q9ESQ4
Pathways:	Feeding Behaviour

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

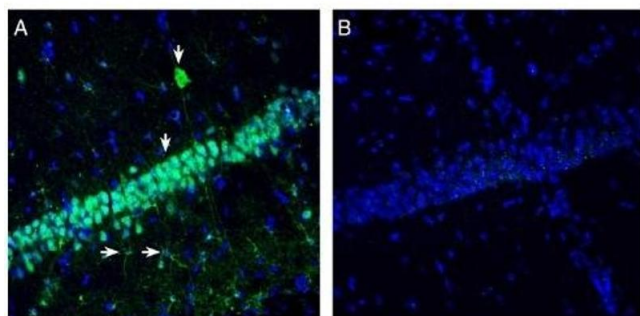
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.85 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



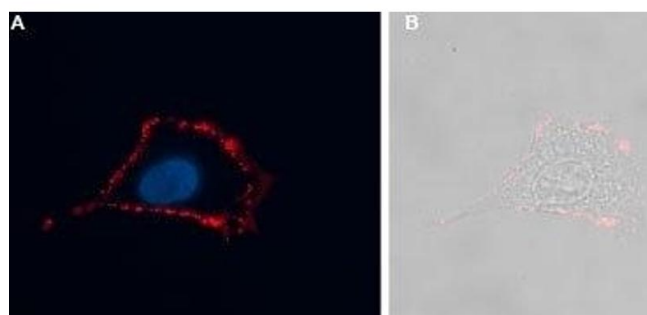
Western Blotting

Image 1. Western blot analysis of rat brain (lanes 1 and 5), mouse brain (lanes 2 and 6), human brain glioblastoma (U-87 MG) (lanes 3 and 7) and mouse brain glioma (C6) cell (lanes 4 and 8) lysates: - 1-4. Anti-NMUR2 (extracellular) Antibody (ABIN7043366, ABIN7044706 and ABIN7044707), (1:200). 5-8. Anti-NMUR2 (extracellular) Antibody, preincubated with NMUR2 (extracellular) Blocking Peptide (#BLP-NR072).



Immunohistochemistry

Image 2. Expression of Neuromedin U Receptor 2 in rat hippocampus. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-NMUR2 (extracellular) Antibody (ABIN7043366, ABIN7044706 and ABIN7044707), (1:100), followed by goat anti-rabbit-AlexaFluor-488. A. Staining in the rat hippocampal CA1 region, showed immunoreactivity (green) in astrocytes (horizontal arrows), and neurons (vertical arrows). B. Preincubation of the antibody with NMUR2 (extracellular) Blocking Peptide (BLP-NR072), suppressed staining. Cell nuclei are stained with DAPI (blue).



Immunocytochemistry

Image 3. Expression of Neuromedin-U receptor 2 in rat C6 cells - Cell surface detection of NMUR2 in intact living rat brain glioma C6 cells. A. Extracellular staining of cells using Anti-NMUR2 (extracellular) Antibody (ABIN7043366, ABIN7044706 and ABIN7044707), (1:50), (red). DAPI is used as the counterstain (blue). B. Live view of the cells merged with NMUR2 staining.