

Datasheet for ABIN7043365

**anti-NMUR1 antibody (Extracellular, Loop 3)**

## 4 Images

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## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 0.2 mL  |
| Target:              | NMUR1   |
| Binding Specificity: | AA 316-331, Extracellular, Loop 3   |
| Reactivity:          | Human, Mouse, Rat   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This NMUR1 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Live Cell Imaging (LCI) |

## Product Details

|                  |  |
|------------------|--|
| Immunogen:       | Immunogen: Synthetic peptide<br>Immunogen Sequence: (C)DRLMWSMVSHWTDGLR, corresponding to amino acid residues 316 - 331 of rat NMUR1 |
| Isotype:         | IgG  |
| Characteristics: | A rabbit polyclonal antibody to NMUR1 (extracellular)  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | NMUR1  |
| Alternative Name: | G Protein-Coupled Receptor 66 ( <a href="#">NMUR1 Products</a> )                 |
| Background:       | Alternative names: Neuromedin-U Receptor 1, G Protein-Coupled Receptor 66, GPR66 |

## Target Details

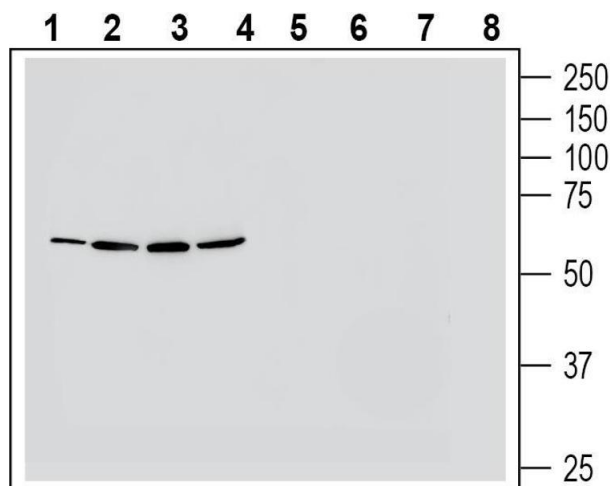
|                 |                           |
|-----------------|---------------------------|
| Gene ID:        | 10316                     |
| NCBI Accession: | <a href="#">NM_006056</a> |
| UniProt:        | <a href="#">Q9JJI5</a>    |

## Application Details

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

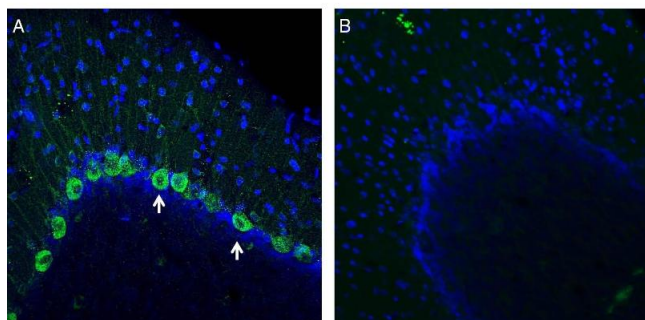
## Handling

|                    |  |
|--------------------|--|
| Format:            | Lyophilized  |
| Reconstitution:    | 25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.   |
| Concentration:     | 0.8 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> |



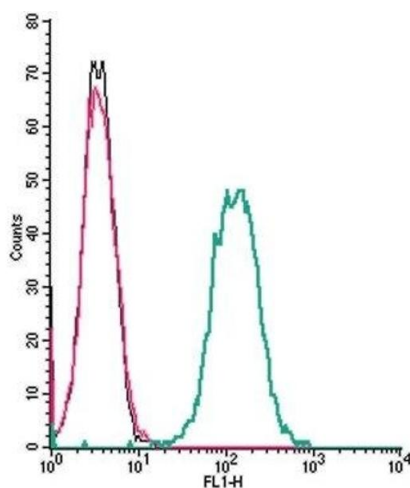
### Western Blotting

**Image 1.** Western blot analysis of human HT-29 colon adenocarcinoma cell line lysate (lanes 1 and 5), human Jurkat T-cell leukemia cell line lysate (lanes 2 and 6), human K562 myelogenous leukemia cell line lysate (lanes 3 and 7) and human NK-92 natural killer cell line lysate (lanes 4 and 8): - 1-4. Anti-NMUR1 (extracellular) Antibody (ABIN7043365, ABIN7044704 and ABIN7044705), (1:400). 5-8. Anti-NMUR1 (extracellular) Antibody, preincubated with NMUR1 (extracellular) Blocking Peptide (BLP-NR071).



### Immunohistochemistry

**Image 2.** Expression of NMUR1 in rat cerebellum. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-NMUR1 (extracellular) Antibody (ABIN7043365, ABIN7044704 and ABIN7044705), (1: 300), followed by goat anti-rabbit-AlexaFluor-488. A. NMUR1 immunoreactivity (green) appears in neuron profiles (arrows). B. Pre-incubation of the antibody with NMUR1 (extracellular) Blocking Peptide (BLP-NR071), suppressed staining. Cell nuclei are stained with DAPI (blue).



### Flow Cytometry

**Image 3.** Cell surface detection of NMUR1 by indirect flow cytometry in live intact mouse J774 macrophage cell line: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-NMUR1 (extracellular) Antibody (ABIN7043365, ABIN7044704 and ABIN7044705), (2.5  $\mu$ g) + goat-anti-rabbit-FITC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043365.