

Datasheet for ABIN5006830

## anti-Metabotropic Glutamate Receptor 3 antibody (AA 365-460) (AbBy Fluor® 680)



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### Overview

|                      |                                                                                  |
|----------------------|----------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                           |
| Target:              | Metabotropic Glutamate Receptor 3 (GRM3)                                         |
| Binding Specificity: | AA 365-460                                                                       |
| Reactivity:          | Mouse                                                                            |
| Host:                | Rabbit                                                                           |
| Clonality:           | Polyclonal                                                                       |
| Conjugate:           | This Metabotropic Glutamate Receptor 3 antibody is conjugated to AbBy Fluor® 680 |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS)                                     |

### Product Details

|                       |                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Metabotropic Glutamate Receptor 3 |
| Isotype:              | IgG                                                                                   |
| Cross-Reactivity:     | Mouse                                                                                 |
| Predicted Reactivity: | Human,Rat,Cow,Horse,Rabbit                                                            |
| Purification:         | Purified by Protein A.                                                                |

### Target Details

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| Target:           | Metabotropic Glutamate Receptor 3 (GRM3)                                              |
| Alternative Name: | MGLUR3 ( <a href="#">GRM3 Products</a> )                                              |
| Background:       | Synonyms: G protein coupled receptor family C group 1 member C, GLUR 3, GLUR3, GLUR3, |

## Target Details

Glutamate metabotropic receptor 3, Glutamate receptor metabotropic 3, GPRC1C, GRM 3, GRM3, GRM3\_HUMAN, Metabotropic glutamate receptor 3, Metabotropic glutamate receptor 3 precursor, mGlu 3, MGlu3, MGlu3, MGLUR 3, MGLUR3.

Background: Glutamate receptors mediate most excitatory neurotransmission in the brain and play an important role in neural plasticity, neural development and neurodegeneration.

Ionotropic glutamate receptors are categorized into NMDA receptors and kainate/AMPA receptors, both of which contain glutamate-gated, cation-specific ion channels. Kainate/AMPA receptors are co-localized with NMDA receptors in many synapses and consist of seven structurally related subunits designated GluR-1 to -7. The kainate/AMPA receptors are primarily responsible for the fast excitatory neuro-transmission by glutamate whereas the NMDA receptors are functionally characterized by a slow kinetic and a high permeability for Ca<sup>2+</sup> ions. The NMDA receptors consist of five subunits: epsilon 1, 2, 3, 4 and one zeta subunit. The zeta subunit is expressed throughout the brainstem whereas the four epsilon subunits display limited distribution.

Pathways: [cAMP Metabolic Process](#), [Synaptic Membrane](#)

## 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.

Expiry Date: 12 months