abcam

ab233637

# Anti-Metabotropic Glutamate Receptor 3/MGLUR3 antibody [7A5A6]

Mouse Monoclonal Metabotropic Glutamate Receptor 3/MGLUR3 antibody. Suitable for Flow Cyt, WB, IHC-P, ICC/IF and reacts with Human samples. Cited in 1 publication. Immunogen corresponding to Recombinant Fragment Protein within Human GRM3 aa 400 to C-terminus.

Image updates are in progress. Products remain available and covered by the Abcam Product Promise. Learn more.

## Key facts

| | |
|---|---|
| **Isotype** | IgG2a |
| **Host species** | Mouse |
| **Storage buffer** | Preservative: 0.05% Sodium azide Constituents: PBS |
| **Form** | Liquid |
| **Clonality** | Monoclonal |
| **Immunogen** | Recombinant Fragment Protein within Human GRM3 aa 400 to C-terminus. The exact immunogen used to generate this antibody is proprietary information. Database link Q14832 |
| **Clone number** | 7A5A6 |
| **Purification technique** | Affinity purification Protein G |
| **Light chain type** | kappa |
| **Concentration** | 1 mg/mL The concentration of this product may be batch-dependent<br>Batch concentration finder → |
| **Purification notes** | Purified from TCS. |

## Reactivity data

## Flow Cyt

**Tested**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | 1/200 - 1/400 |
| **Notes** | - |

## WB

**Tested**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | 1/500 - 1/2000 |
| **Notes** | - |

## IHC-P

**Tested**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | 1/200 - 1/1000 |
| **Notes** | - |

## ICC/IF

**Tested**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | 1/200 - 1/1000 |
| **Notes** | - |

# Target data

See full target information GRM3

**Function** G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Signaling inhibits adenylate cyclase activity.

## Storage

| | |
|---|---|
| **Shipped at conditions** | Blue Ice |
| **Appropriate short-term storage duration** | 1-2 weeks |
| **Appropriate short-term storage conditions** | +4°C |
| **Appropriate long-term storage conditions** | -20°C |
| **Aliquoting information** | Upon delivery aliquot |
| **Storage information** | Avoid freeze / thaw cycle |

## Product promise

**Tested**

We have tested this species and application combination and it works. It is covered by our product promise.

**Expected**

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

**Predicted**

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

**Not recommended**

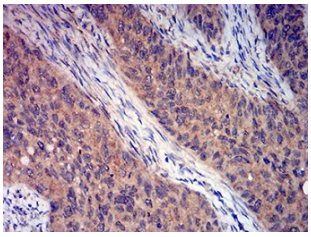
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

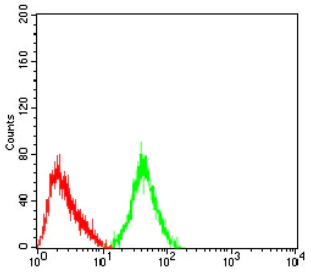
## 3 product images



## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Metabotropic Glutamate Receptor 3/MGLUR3 antibody [7A5A6] (ab233637)

Metabotropic Glutamate Receptor 3/MGLUR3 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-Metabotropic Glutamate Receptor 3/MGLUR3 antibody

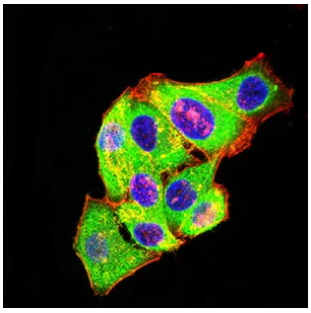
Paraffin-embedded human cervical cancer tissue stained for Metabotropic Glutamate Receptor 3/MGLUR3 using ab233637 at 1/200 dilution in immunohistochemical analysis. DAB staining.




## Flow Cytometry - Anti-Metabotropic Glutamate Receptor 3/MGLUR3 antibody [7A5A6] (ab233637)

Metabotropic Glutamate Receptor 3/MGLUR3 Flow Cytometry staining using mouse Anti-Metabotropic Glutamate Receptor 3/MGLUR3 antibody

Flow cytometric analysis of SH-SY5Y (human neuroblastoma cell line from bone marrow) cell line labeling Metabotropic Glutamate Receptor 3/MGLUR3 with ab233637 at 1/200 dilution (green) compared with a negative control (red).



## Immunocytochemistry/ Immunofluorescence - Anti-Metabotropic Glutamate Receptor 3/MGLUR3 antibody [7A5A6] (ab233637)

Metabotropic Glutamate Receptor 3/MGLUR3 Immunocytochemistry/ Immunofluorescence staining using mouse Anti-Metabotropic Glutamate Receptor 3/MGLUR3 antibody

HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for Metabotropic Glutamate Receptor 3/MGLUR3 (green) using ab233637 at 1/200 dilution in ICC/IF. Secondary antibody: Goat anti-Mouse IgG (H+L) DyLight 488.
Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.