

# GRM6

Purified Mouse Monoclonal Antibody  
Catalog # AO2614a

## Product Information

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|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| Application       | WB, IHC, ICC, E                                                                       |
| Primary Accession | <a href="#">O15303</a>                                                                |
| Reactivity        | Human                                                                                 |
| Host              | Mouse                                                                                 |
| Clonality         | Monoclonal                                                                            |
| Clone Names       | 7D9C9                                                                                 |
| Isotype           | Mouse IgG1                                                                            |
| Calculated MW     | 95468                                                                                 |
| Immunogen         | Purified recombinant fragment of human GRM6 (AA: extra 480-585) expressed in E. Coli. |
| Formulation       | Purified antibody in PBS with 0.05% sodium azide                                      |

## Additional Information

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|-------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID     | 2916                                                                                                                                     |
| Other Names | mGlu6; CSNB1B; GPRC1F; MGLUR6                                                                                                            |
| Dilution    | WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000                                                                                  |
| Storage     | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Precautions | GRM6 is for research use only and not for use in diagnostic or therapeutic procedures.                                                   |

## Protein Information

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| Name     | GRM6                                                                                                                                                                                                                                                                                                                                                                                                         |
| Synonyms | GPRC1F, MGLUR6                                                                                                                                                                                                                                                                                                                                                                                               |
| 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, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity (By similarity). Signaling stimulates TRPM1 channel activity and Ca(2+) uptake. Required for normal vision. |

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cellular Location</b> | Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Cell projection, dendrite Note=Subject to trafficking from the endoplasmic reticulum to the Golgi apparatus and then to the cell membrane |
| <b>Tissue Location</b>   | Detected in melanocytes.                                                                                                                                                                                                                                                                                  |

## References

1.Pigment Cell Melanoma Res. 2013 May;26(3):348-56.2.Mol Vis. 2009 Oct 19;15:2094-100.

## Images

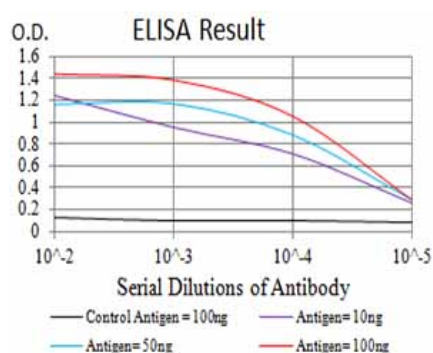


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

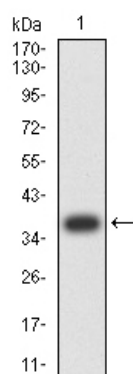


Figure 2:Western blot analysis using GRM6 mAb against human GRM6 (AA: extra 480-585) recombinant protein. (Expected MW is 37.5 kDa)

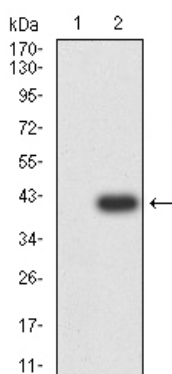
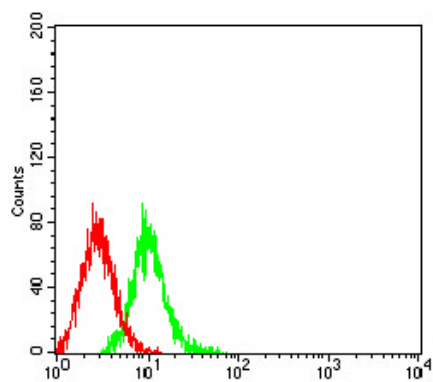


Figure 3:Western blot analysis using GRM6 mAb against HEK293 (1) and GRM6 (AA: extra 480-585)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Flow cytometric analysis of K562 cells using GRM6 mouse mAb (green) and negative control (red).



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