

Mouse anti-Human GRM7 Monoclonal Antibody | anti-GRM7 antibody

GRM7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312036	Mouse	Human	Flow Cytometry, Functional Assay, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

GRM7; Monoclonal Antibody; GRM7 Antibody; FLJ40498 antibody; GLUR7 antibody; Glutamate receptor metabotropic 7 antibody; GPRC1G antibody; GRM7 antibody; GRM7_HUMAN antibody; Metabotropic glutamate receptor 7 antibody; MGLU7 antibody; mGluR7 antibody; OTTHUMP00000206961 antibody; OTTHUMP00000214674 antibody; OTTHUMP00000214675 antibody; anti-GRM7 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	D3-G8
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-GRM7 antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



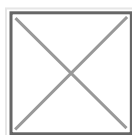
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of SH-SY5Y cells with GRM7 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).



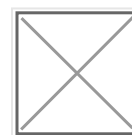
ICC (Immunocytochemistry)

ICC staining GRM7 (green) and Actin filaments (red) in SMMC-7721 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining GRM7 (green) and Actin filaments (red) in Hela cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)

Western blot analysis of GRM7 on HEK293 (1) and GRM7-hlgGfC transfected HEK293 (2) cell lysate using anti-GRM7 antibody at 1/1, 000 dilution.



WB (Western Blot)

Western blot analysis of GRM7 on human GRM7 recombinant protein using anti-GRM7 antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-GRM7 antibody	L-glutamate is the major excitatory neurotransmitter in the central nervous system, and it activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors that have been divided into three groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5, and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3, while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-GRM7 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504147
NCBI GeneID	2917
NCBI Accession #	NP_000835.1
NCBI GenBank Nucleotide #	NM_000844.3
UniProt Accession #	Q14831; Q8NFS2; Q8NFS3; Q8NFS4
Molecular Weight	102,251 Da
NCBI Official Full Name	metabotropic glutamate receptor 7 isoform a
NCBI Official Synonym Full Names	glutamate receptor, metabotropic 7
NCBI Official Symbol	GRM7
NCBI Official Synonym Symbols	GLUR7; MGLU7; GPRC1G; MGLUR7
NCBI Protein Information	metabotropic glutamate receptor 7
UniProt Protein Name	Metabotropic glutamate receptor 7
UniProt Gene Name	GRM7
UniProt Synonym Gene Names	GPRC1G; MGLUR7; mGluR7
UniProt Entry Name	GRM7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/grm7-antibody-clone-d3-g8-flow-cytometry-immunocytochemistry-western-blot-elisa/312036>