

Anti-GRM7 Antibody (6J762)

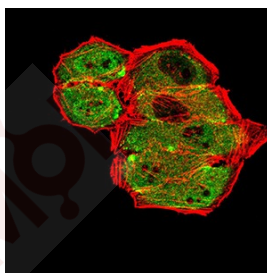
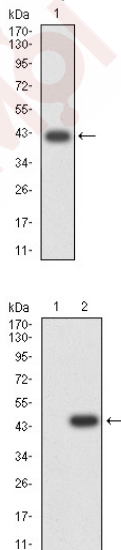
Product Details

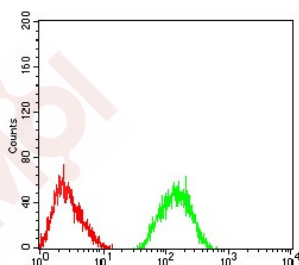
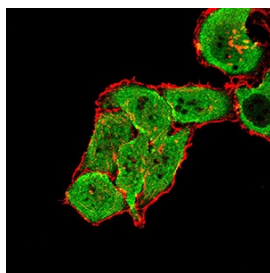
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 102 kDa.
Clone:	6J762
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of GRM7 on human GRM7 recombinant protein using anti-GRM7 antibody at 1/1,000 dilution.
2. Western blot analysis of GRM7 on HEK293 (1) and GRM7-hlgGc transfected HEK293 (2) cell lysate using anti-GRM7 antibody at 1/1,000 dilution.
3. 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.
4. 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.
5. 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).





Application: FCM,ICC,WB

Recommended WB: 1:500-2000; ICC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q14831

Synonyms: FLJ40498;Metabotropic glutamate receptor 7;OTTHUMP00000214675;MGLU7;

OTTHUMP00000214674;GRM 7;OTTHUMP00000206961;GPRC1G;GRM7_HUMAN;GLUR7;
Glutamate receptor metabotropic 7;mGluR7

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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