

GRM7 Antibody

Catalog No: #48397

Package Size: #48397-1 50ul #48397-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

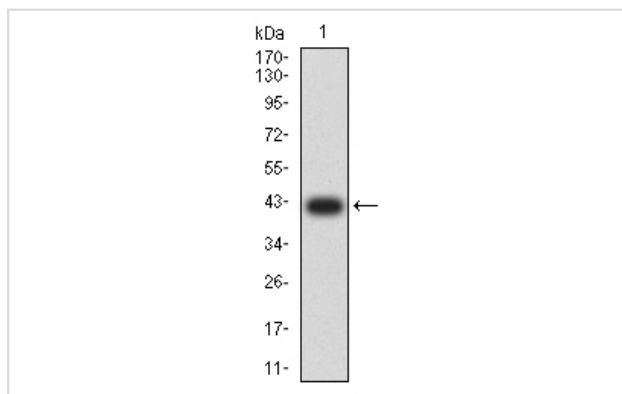
Description

Product Name	GRM7 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	D3-G8
Purification	ProA affinity purified
Applications	WB, ICC, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	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
Accession No.	Swiss-Prot#:Q14831
Uniprot	Q14831
GeneID	2917;
Calculated MW	102 kDa
Formulation	1*TBST (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

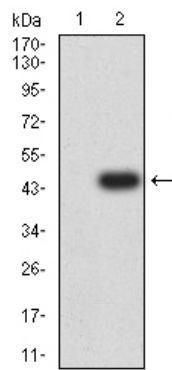
Application Details

WB: 1:500-1:2,000 ICC: 1:50-1:200 FC: 1:50-1:100

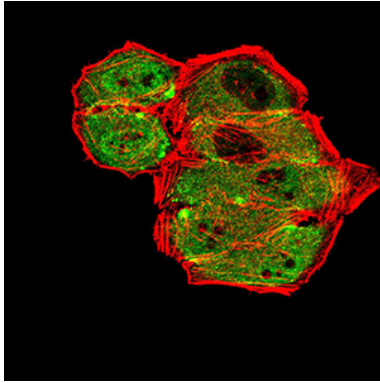
Images



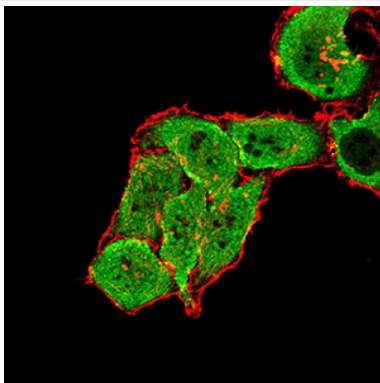
Western blot analysis of GRM7 on human GRM7 recombinant protein using anti-GRM7 antibody at 1/1,000 dilution.



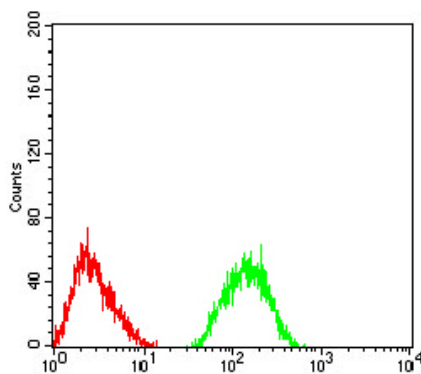
Western blot analysis of GRM7 on HEK293 (1) and GRM7-hlgGFc transfected HEK293 (2) cell lysate using anti-GRM7 antibody at 1/1,000 dilution.



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.



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.



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).

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.

References

Note: This product is for in vitro research use only