Datasheet for ABIN3016218

anti-Metabotropic Glutamate Receptor 3 antibody (AA 23-170)

2 Images

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Overview

Quantity:	100 µL
Target:	Metabotropic Glutamate Receptor 3 (GRM3)
Binding Specificity:	AA 23-170
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Metabotropic Glutamate Receptor 3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 23-170 of human GRM3 (NP_000831.2).
Sequence:	LGDHNFLRRE IKIEGDLVLG GLFPINEKGT GTEECGRINE DRGIQRLEAM LFAIDEINKD DYLLPGVKLG VHILDTCSRD TYALEQSLEF VRASLTKVDE AEYMCPDGSY AIQENIPLLI AGVIGGSYSS VSIQVANLLR LFQIPQIS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

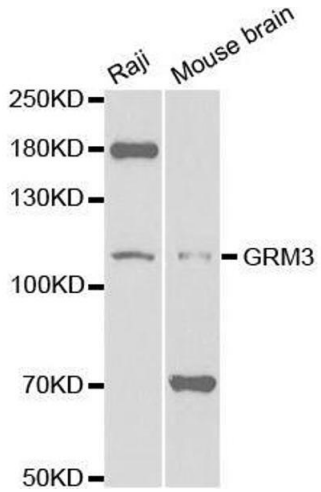
Target:	Metabotropic Glutamate Receptor 3 (GRM3)
Alternative Name:	GRM3 (GRM3 Products)
Background:	L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most 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 3 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.,GRM3,GLUR3,GPRC1C,MGLUR3,mGlu3,Signal Transduction,G protein signaling,G-Protein-Coupled Receptors(GPCR),Neuroscience,GRM3
Molecular Weight:	60 kDa/98 kDa
Gene ID:	2913
UniProt:	Q14832
Pathways:	cAMP Metabolic Process, Synaptic Membrane

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

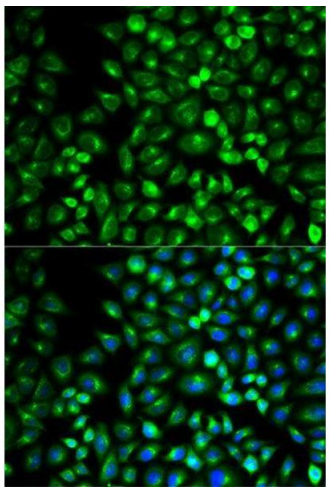
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using GRM3 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cell using GRM3 antibody. Blue: DAPI for nuclear staining

