antibodies - online.com







anti-GRM2 antibody (AA 414-558)





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Quantity:	0.1 mg
Target:	GRM2
Binding Specificity:	AA 414-558
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GRM2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human GRM2 (AA: extra 414-558) expressed in E. coli.
Clone:	4A10B9
Isotype:	lgG1
Purification:	purified

Target Details

Target:	GRM2
Alternative Name:	GRM2 (GRM2 Products)
Background:	Description: 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. Several transcript variants encoding different isoforms have been found for this gene.

Aliases: GLUR2, mGlu2, GPRC1B, MGLUR2

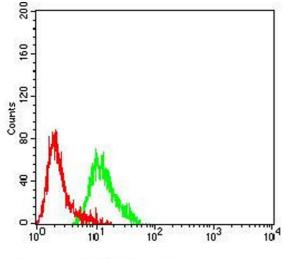
Molecular Weight:	95.6 kDa
Gene ID:	2912
HGNC:	2912
Pathways:	cAMP Metabolic Process, Dicarboxylic Acid Transport

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: N/A
Restrictions:	For Research Use only

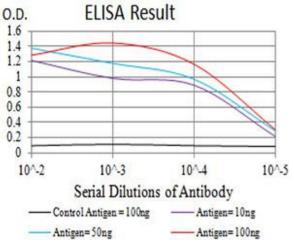
Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



Flow Cytometry

Image 1. Flow cytometric analysis of SK-N-SH cells using GRM2 mouse mAb (green) and negative control (red).



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kDa

170-130-

95-

72-55-

43-

34-26-

17-11-

ELISA

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)

Western Blotting

Image 3. Western blot analysis using GRM2 mAb against HEK293 (1) and GRM2 (AA: extra 414-558)-hlgGFc transfected HEK293 (2) cell lysate.

Please check the product details page for more images. Overall 4 images are available for ABIN5611158.