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Datasheet for ABIN6141425

anti-Metabotropic Glutamate Receptor 4 antibody (AA 33-290)

1 Image

Overview

Quantity:	100 µL
Target:	Metabotropic Glutamate Receptor 4 (GRM4)
Binding Specificity:	AA 33-290
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Metabotropic Glutamate Receptor 4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 33-290 of human GRM4 (NP_000832.1).
Sequence:	KPKGHPHMNS IRIDGDITLG GLFPVHGRGS EGKPCGELKK EKGHRLEAM LFALDRINND PDLLPNITLG ARILDTCRD THALEQSLTF VQALIEKDGTV EVRCSGGPP IITKPERVVG VIGASGSSVS IMVANILRLF KIPQISYAST APDLSDNSRY DFFSRVVPST TYQAQAMVDI VRALKWNYVS TVASEGSYGE SGVEAFIQKS REDGGVCIQ SVKIPREPKA GEFDKIIRRL LETSNARAVI IFANEDDI
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

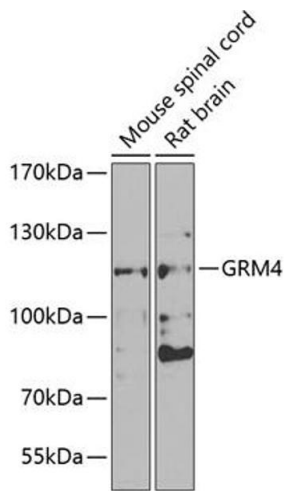
Target:	Metabotropic Glutamate Receptor 4 (GRM4)
Alternative Name:	GRM4 (GRM4 Products)
Background:	<p>L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in 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.,GRM4,GPRC1D,MGLUR4,mGlu4,Signal Transduction,G protein signaling,G-Protein-Coupled Receptors(GPCR),Cell Biology & Developmental Biology,Apoptosis,Neuroscience,GRM4</p>
Molecular Weight:	83 kDa/86 kDa/87 kDa/88 kDa/101 kDa
Gene ID:	2914
UniProt:	Q14833

Application Details

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

Handling

Format:	Liquid
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 GRM4 antibody (ABIN6128231, ABIN6141425, ABIN6141426 and ABIN6223112) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.