

Datasheet for ABIN1386655

anti-Metabotropic Glutamate Receptor 1 antibody (AA 151-250)



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Overview

Quantity:	100 µL
Target:	Metabotropic Glutamate Receptor 1 (GRM1)
Binding Specificity:	AA 151-250
Reactivity:	Mouse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Metabotropic Glutamate Receptor 1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MGLUR1A/Metabotropic Glutamate Receptor 1a
Isotype:	IgG
Cross-Reactivity:	Mouse, Zebrafish (Danio rerio)
Predicted Reactivity:	Human,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	Metabotropic Glutamate Receptor 1 (GRM1)
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Target Details

Alternative Name:	MGLUR1A/Metabotropic Glutamate Receptor 1a (GRM1 Products)
Background:	<p>Synonyms: G protein coupled receptor family C group 1 member A, Glutamate receptor metabotropic 1 alpha, Glutamate receptor metabotropic 1, GPRC1A, GRM 1, GRM1 alpha, GRM1, GRM1A, Human metabotropic glutamate receptor 1 alpha mRNA complete cds, Metabotropic glutamate receptor 1 alpha, Metabotropic glutamate receptor 1, mGlu1, MGLUR1, MGLUR1A, mGluR1alpha.</p> <p>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. Alternative splice variants of the GRM1 gene have been described but their full-length nature has not been determined.</p>

Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months