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Datasheet for ABIN1386658

anti-mGluR1 + mGluR5 antibody (AA 501-600)

Overview

Quantity:	100 µL
Target:	mGluR1 + mGluR5 (mGluR1/5)
Binding Specificity:	AA 501-600
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This mGluR1 + mGluR5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MGLUR1 + MGLUR5
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	mGluR1 + mGluR5 (mGluR1/5)
Alternative Name:	MGLUR1 + MGLUR5 (mGluR1/5 Products)
Background:	Synonyms: MGLUR1+MGLUR5, GPRC1A, GPRC1E, GRM1, GRM1A, GRM5, Metabotropic

Target Details

glutamate receptor 1, Metabotropic glutamate receptor 5, mGlu1, mGlu5, MGLUR1, MGLUR1A, MGLUR5, MGLUR5B, GRM1_HUMAN, GRM5_HUMAN.

Background: Glutamate is the main excitatory neurotransmitter in the brain. For many years it had been considered to act only on the ligand-gated receptor channels-termed NMDA, AMPA and kainite receptors that are involved in the fast excitatory synaptic transmission. Recently, glutamate has been shown to regulate enzymes producing second messengers via specific receptors coupled to G-proteins. These receptors are called metabotropic glutamate receptors. In expression systems, Group-I receptors stimulate phospholipase C as revealed by an increase in phosphoinositide turnover and calcium release from internal stores. Group-II and -III receptors are coupled to the inhibition of adenylyl cyclase. The Group-I receptors include Metabotropic Glutamate Receptor 5 and Metabotropic Glutamate Receptor 1a. The Group-II receptors in include mGluR2 and mGluR3.

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000

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

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