Datasheet for ABIN1412540

anti-Metabotropic Glutamate Receptor 3 antibody (AA 365-460) (HRP)

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Overview

Quantity:	100 µL
Target:	Metabotropic Glutamate Receptor 3 (GRM3)
Binding Specificity:	AA 365-460
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Metabotropic Glutamate Receptor 3 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Metabotropic Glutamate Receptor 3
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Metabotropic Glutamate Receptor 3 (GRM3)
Alternative Name:	MGLUR3 (GRM3 Products)
Background:	Synonyms: G protein coupled receptor family C group 1 member C, GLUR 3, GLUR3, GLUR3,

Target Details

	Glutamate metabotropic receptor 3, Glutamate receptor metabotropic 3, GPRC1C, GRM 3, GRM3, GRM3_HUMAN, Metabotropic glutamate receptor 3, Metabotropic glutamate receptor 3 precursor, mGlu 3, MGlu3, MGlu3, MGLUR 3, MGLUR3. Background: Glutamate receptors mediate most excitatory neurotransmission in the brain and play an important role in neural plasticity, neural development and neurodegeneration. Ionotropic glutamate receptors are categorized into NMDA receptors and kainate/AMPA receptors, both of which contain glutamate-gated, cation-specific ion channels. Kainate/AMPA receptors are co-localized with NMDA receptors in many synapses and consist of seven structurally related subunits designated GluR-1 to -7. The kainate/AMPA receptors are primarily responsible for the fast excitatory neuro-transmission by glutamate whereas the NMDA receptors are functionally characterized by a slow kinetic and a high permeability for Ca2+ ions. The NMDA receptors consist of five subunits: epsilion 1, 2, 3, 4 and one zeta subunit. The zeta subunit is expressed throughout the brainstem whereas the four epsilon subunits display limited distribution.
Pathways:	cAMP Metabolic Process, Synaptic Membrane

Application Details

Application Notes:	WB 1:300-5000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date:	12 months