

Datasheet for ABIN1412666

anti-GRIK5 antibody (AA 201-300) (HRP)



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Overview

Quantity:	100 µL
Target:	GRIK5
Binding Specificity:	AA 201-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIK5 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GRIK5/KA2
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Sheep,Pig
Purification:	Purified by Protein A.

Target Details

Target:	GRIK5
Alternative Name:	GRIK5/KA2 (GRIK5 Products)
Background:	Synonyms: EAA 2, EAA2, Excitatory amino acid receptor 2, GluRgamma2, Glutamate receptor,

Target Details

Glutamate receptor KA 2, Glutamate receptor KA-2, Glutamate receptor KA2, Glutamate receptor, ionotropic kainate 5 [Precursor], Glutamate receptor, ionotropic, kainate 5 gamma 2, Glutamate receptor, ionotropic, kainate 5, GRIK 2, GRIK 5, GRIK2, Grik5, GRIK5_HUMAN, iGlu5, ionotropic kainate 5, KA2, MGC118086.

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 the structurally related subunits GluR-1 to -7, KA1 and KA2. KA1 (also designated EEA1) and KA2 (also designated EEA2) form heteromeric receptors with GluR subunits when coexpressed, forming ion channels with various properties. The kainate/AMPA receptors are primarily responsible for the fast excitatory neuro-transmission by glutamate.

Pathways: [Carbohydrate Homeostasis](#), [Synaptic Membrane](#), [Maintenance of Protein Location](#), [Synaptic Vesicle Exocytosis](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

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.

Handling

Storage:	-20 °C
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Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
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Expiry Date:	12 months
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