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anti-GRIK2 antibody (C-Term, Intracellular)

2 Images



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Overview

0.0	
Quantity:	25 μL
Target:	GRIK2
Binding Specificity:	C-Term, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CSAMVEELRMSLK, corresponding to amino acid residues 858-870 of rat kainate receptor GluK2
Isotype:	IgG
Characteristics:	Anti-GRIK2 (GluK2) Antibody (ABIN7043238, ABIN7044336 and ABIN7044337)) is directed against the intracellular C-terminus domain of the rat kainate receptor GluK2. The antibody can be used in western blot and immunofluorescence applications and will recognize GluR6 from rat, human and mouse origins.
Purification:	Affinity purified on immobilized antigen.

Target Details

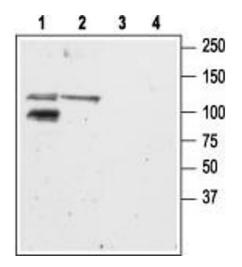
Target:	GRIK2
Alternative Name:	GRIK2 (GluK2) (GRIK2 Products)
Background:	Alternative names: GRIK2 (GluK2), Glutamate receptor ionotropic kainate 2, Glutamate receptor 6, GluR6, GLUK6
Gene ID:	54257
NCBI Accession:	NM_001166247
UniProt:	P42260
Pathways:	Synaptic Membrane, Regulation of long-term Neuronal Synaptic Plasticity
Amuliantina Dataila	

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

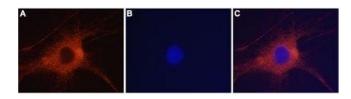
Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L}$, $50~\mu\text{L}$ or $0.2~m\text{L}$ double distilled water (DDW), depending on the sample size.
Concentration:	0.6 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
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:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



Western Blotting

Image 1. Western blot analysis of mouse (lanes 1 and 3) and rat (lanes 2 and 4) brain membranes: - 1,2. Anti-GRIK2 (GluK2) Antibody (ABIN7043238, ABIN7044336 and ABIN7044337), (1:400).3,4. Anti-GRIK2 (GluK2) Antibody, preincubated with GRIK2/GluK2 Blocking Peptide (#BLP-GC009).



Immunocytochemistry

Image 2. Expression of GluR6 in rat DRG neurons - Immunocytochemistry of rat dorsal root ganglion (DRG) neurons. A. Paraformaldehyde-fixed and permeabilized DRG neurons were labeled with Anti-GRIK2 (GluK2) Antibody (ABIN7043238, ABIN7044336 and ABIN7044337), (1:400) followed by goat anti-rabbit-AlexaFluor-555 secondary antibody. B. Nuclei were visualized with the cell permeable dye Hoechst 33342 (blue). C. Merged figure of A and B.