

Datasheet for ABIN7043240
anti-GRIK4 antibody (Extracellular, N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	50 µL
Target:	GRIK4
Binding Specificity:	AA 49-61, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIK4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KNRINRAPERLGK, corresponding to amino acid residues 49-61 of rat kainate receptor GluK4
Isotype:	IgG
Characteristics:	Anti-GRIK4 (KA1) (extracellular) Antibody is directed against an extracellular epitope of the rat kainate receptor GluK4. Anti-GRIK4 (KA1) (extracellular) Antibody (ABIN7043240, ABIN7044380 and ABIN7044381)) can be used in western blot, immunocytochemistry, and immunohistochemistry applications. It has been designed to recognize GluK4 from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

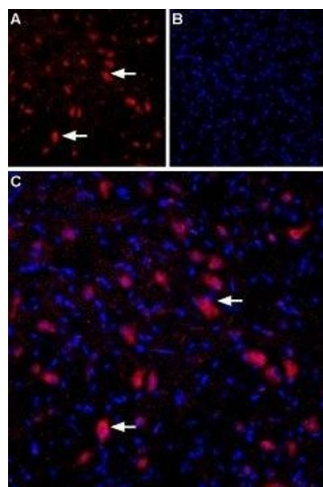
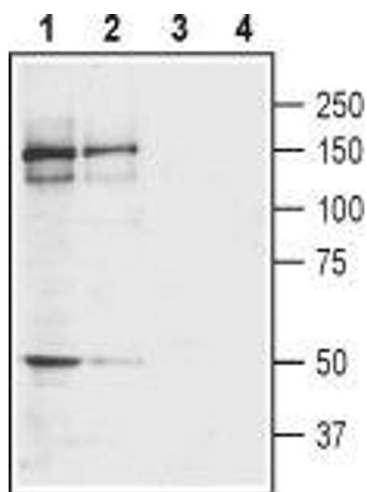
Target:	GRIK4
Alternative Name:	GRIK4 (KA1) (GRIK4 Products)
Background:	Alternative names: GRIK4 (KA1), Glutamate receptor ionotropic kainate 4, GluK4, Glutamate receptor KA-1
Gene ID:	24406
NCBI Accession:	NM_014619
UniProt:	Q01812
Pathways:	Synaptic Membrane

Application Details

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

Handling

Format:	Lyophilized
Reconstitution:	50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain membranes: - 1,2. Anti-GRIK4 (KA1) (extracellular) Antibody (ABIN7043240, ABIN7044380 and ABIN7044381), (1:400).3,4. Anti-GRIK4 (KA1) (extracellular) Antibody, preincubated with GRIK4/KA1 (extracellular) Blocking Peptide (#BLP-GC041).

Immunohistochemistry

Image 2. Expression of kainate receptor GluK4 in rat cerebellar deep nuclei - Immunohistochemical staining of immersion-fixed, free floating rat brain frozen sections using Anti-GRIK4 (KA1) (extracellular) Antibody (ABIN7043240, ABIN7044380 and ABIN7044381), (1:100). A. GluK4 staining (red) appears in neurons (arrows) of deep cerebellar nuclei. B. Cell nuclei in the same section are visualized with DAPI (blue). C. Merge of the two images.