

Datasheet for ABIN7043241
anti-GRIK5 antibody (Extracellular, N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	25 µL
Target:	GRIK5
Binding Specificity:	AA 430-442, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIK5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RRPNFQALSGNER, corresponding to amino acid residues 430-442 of rat kainate receptor GluK5
Isotype:	IgG
Characteristics:	Anti-GRIK5 (GluK5) (extracellular) Antibody is directed against an epitope of the rat kainate receptor GluK5. Anti-GRIK5 (GluK5) (extracellular) Antibody (ABIN7043241, ABIN7044382 and ABIN7044383)) can be used in western blot, immunocytochemistry, and immunohistochemistry applications. The antibody recognizes an extracellular epitope and is thus ideal for detecting the receptor in living cells. It has been designed to recognize GluK5 from rat, human, and mouse samples.

Product Details

Purification: Affinity purified on immobilized antigen.

Target Details

Target:	GRIK5
Alternative Name:	GRIK5 (GluK5) (GRIK5 Products)
Background:	Alternative names: GRIK5 (GluK5), Glutamate receptor ionotropic kainate 5, Glutamate receptor KA-2, KA2
Gene ID:	24407
NCBI Accession:	NM_001301030
UniProt:	Q63273
Pathways:	Carbohydrate Homeostasis , Synaptic Membrane , Maintenance of Protein Location , Synaptic Vesicle Exocytosis

Application Details

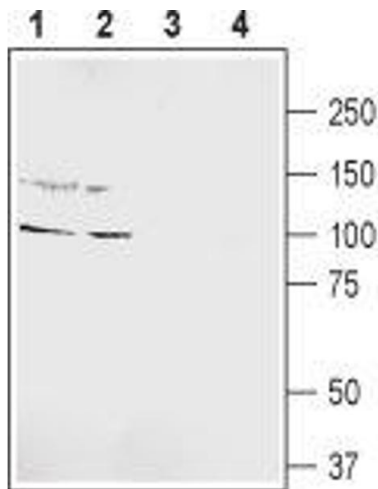
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	25 µL, 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, -80 °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.

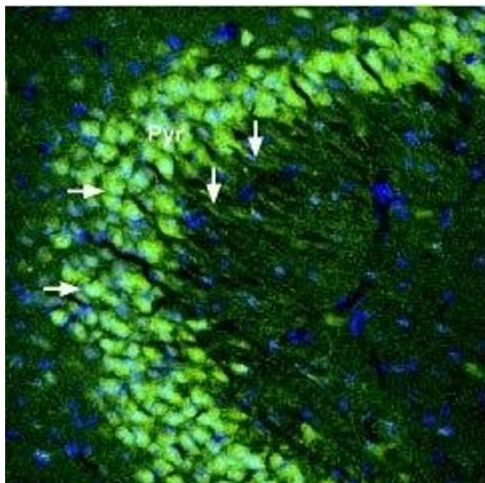
For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



Western Blotting

Image 1. Western blot analysis of rat hippocampus lysate (lanes 1 and 3) and rat brain lysate (lanes 2 and 4): - 1,2. Anti-GRIK5 (GluK5) (extracellular) Antibody (ABIN7043241, ABIN7044382 and ABIN7044383), (1:400).3,4. Anti-GRIK5 (GluK5) (extracellular) Antibody, preincubated with GRIK5/GluK5 (extracellular) Blocking Peptide (#BLP-GC042).



Immunohistochemistry

Image 2. Expression of kainate receptor GluK5 in mouse hippocampus - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections using Anti-GRIK5 (GluK5) (extracellular) Antibody (ABIN7043241, ABIN7044382 and ABIN7044383), (1:300), followed by goat-anti-rabbit-Alexa-488. GluK5 staining (green) appears in neurons (horizontal arrows) of the pyramidal layer (Pyr) and in apical dendrites (vertical arrows) of mouse hippocampus. Nuclei are stained with DAPI (blue).