

Datasheet for ABIN7043239

anti-GRIK3 antibody (Extracellular, N-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	GRIK3
Binding Specificity:	AA 46-58, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIK3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DGPNAQVMNAEEH, corresponding to amino acid residues 46-58 of rat kainate receptor GluK3
Isotype:	IgG
Characteristics:	Anti-GRIK3 (GluK3) (extracellular) Antibody is directed against an extracellular epitope of the rat kainate receptor GluK3. Anti-GRIK3 (GluK3) (extracellular) Antibody (ABIN7043239, ABIN7044378 and ABIN7044379)) can be used in western blot and immunohistochemistry applications. The antibody recognizes an extracellular epitope and is thus highly suited to recognize the receptor in living cells. It has been designed to recognize GluR7 from human, rat and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

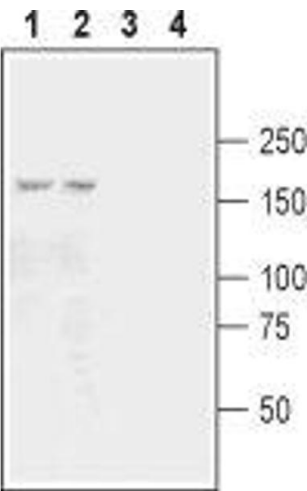
Target:	GRIK3
Alternative Name:	GRIK3 (GluK3) (GRIK3 Products)
Background:	Alternative names: GRIK3 (GluK3), Glutamate receptor ionotropic kainate 3, Glutamate receptor 7, GluR7
Gene ID:	298521
NCBI Accession:	NM_000831
UniProt:	P42264
Pathways:	Synaptic Membrane

Application Details

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

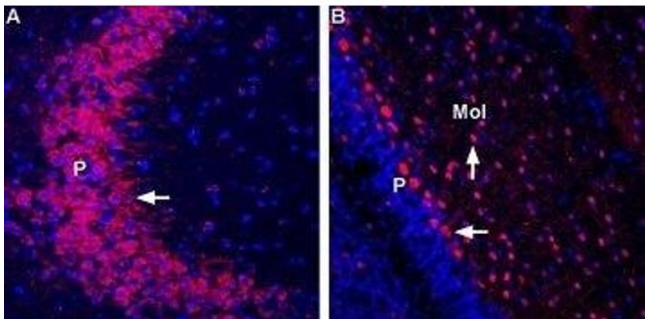
Handling

Format:	Lyophilized
Reconstitution:	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
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 mouse (lanes 1 and 3) and rat (lanes 2 and 4) brain membranes: - 1,2. Anti-GRIK3 (GluK3) (extracellular) Antibody (ABIN7043239, ABIN7044378 and ABIN7044379), (1:200).3,4. Anti-GRIK3 (GluK3) (extracellular) Antibody, preincubated with GRIK3/GluK3 (extracellular) Blocking Peptide (#BLP-GC040).



Immunohistochemistry

Image 2. Expression of GluR7 in mouse hippocampus and rat cerebellum - Immunohistochemical staining of immersion-fixed, free floating frozen brain sections using Anti-GRIK3 (GluK3) (extracellular) Antibody (ABIN7043239, ABIN7044378 and ABIN7044379), (1:400). A. GluR7 staining (red) in mouse hippocampus reveals expression in the pyramidal (P) layer (arrow). B. GluR7 staining (red) in rat cerebellum reveals expression in the Purkinje (P) layer (horizontal arrow) and in the molecular layer (MOL) interneurons (arrow).