

Datasheet for ABIN7043100  
**anti-DLGAP1 antibody (Intracellular)**

## 2 Images

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## Overview

Quantity:	50 µL
Target:	DLGAP1
Binding Specificity:	AA 397-411, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DLGAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KISNEHSPKLQIRSH, corresponding to amino acid residues 397-411 of rat DLGAP1
Isotype:	IgG
Characteristics:	Anti-DLGAP1/GKAP Antibody (ABIN7043100, ABIN7045186 and ABIN7045187)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize DLGAP1 from human, mouse, and rat samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

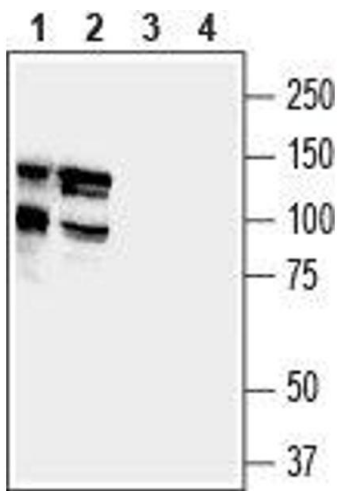
Target:	DLGAP1
Alternative Name:	DLGAP1/GKAP ( <a href="#">DLGAP1 Products</a> )
Background:	Alternative names: DLGAP1/GKAP, DLG associated protein 1, Discs large homolog associated protein 1, Guanylate kinase-associated protein, SAP90/PSD-95-associated protein 1, SAPAP1
Gene ID:	65040
NCBI Accession:	<a href="#">NM_001003809</a>
UniProt:	<a href="#">P97836</a>

## Application Details

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

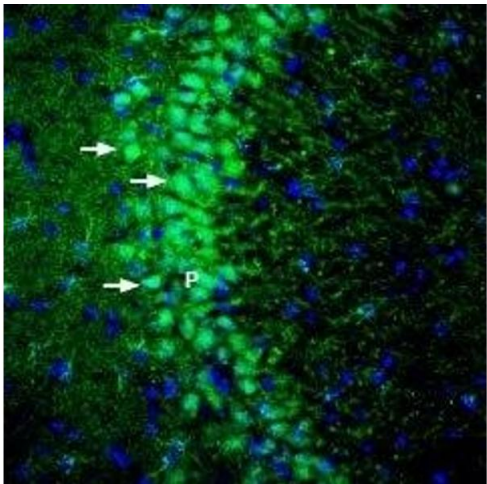
## Handling

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 lysates: - 1,2. Anti-DLGAP1/GKAP Antibody (ABIN7043100, ABIN7045186 and ABIN7045187), (1:200).3,4. Anti-DLGAP1/GKAP Antibody, preincubated with DLGAP1/GKAP Blocking Peptide (#BLP-PZ041).



Immunohistochemistry

**Image 2.** Expression of GKAP in rat hippocampus - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-DLGAP1/GKAP Antibody (ABIN7043100, ABIN7045186 and ABIN7045187), (1:200), followed by goat anti-rabbit-AlexaFluor-488. GKAP staining (green) in hippocampal CA3 region is detected in neurons (arrows) of CA3 pyramidal layer (P). Cell nuclei are stained with DAPI (blue).