

Datasheet for ABIN7043472

anti-KCNJ11 antibody (C-Term, Intracellular)**3** Images[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	KCNJ11
Binding Specificity:	AA 372-385, C-Term, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Conjugate:	This KCNJ11 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)SVAVAKAKPKFSIS, corresponding to amino acid residues 372-385 of rat Kir6.2
Isotype:	IgG
Cross-Reactivity (Details):	The antibody is specific for Kir6.2 and does not cross-react with Kir6.1.
Characteristics:	Guinea pig Anti-Kir6.2 Antibody is directed against an epitope of rat Kir6.2. Guinea pig Anti-Kir6.2 Antibody (#) raised in guinea pig can be used in western blot and immunohistochemistry applications. It has been designed to recognize Kir6.2 from human, rat and mouse samples. The antigen used to immunize guinea pigs is the same as Anti-Kir6.2 Antibody (ABIN7043473, ABIN7044922 and ABIN7044923)) raised in rabbit. Our line of guinea pig antibodies enables more flexibility with our products such as multiplex staining studies, immunoprecipitation, etc.

Product Details

Purification: Affinity purified on immobilized antigen.

Target Details

Target: KCNJ11

Alternative Name: Kir6.2 ([KCNJ11 Products](#))

Background: Alternative names: Kir6.2, Inward rectifier K⁺ channel Kir6.2, ATP-sensitive inward rectifier potassium channel 11, KCNJ11, BIR, TNDM3

Gene ID: 83535

NCBI Accession: [NM_000525](#)

UniProt: [P70673](#)

Pathways: [Negative Regulation of Hormone Secretion](#)

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

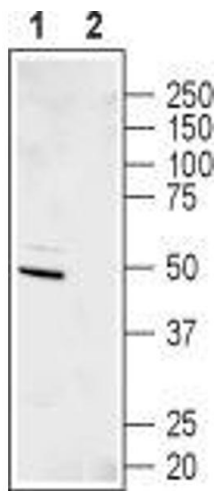
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: RT, 4 °C, -20 °C

Storage Comment: 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

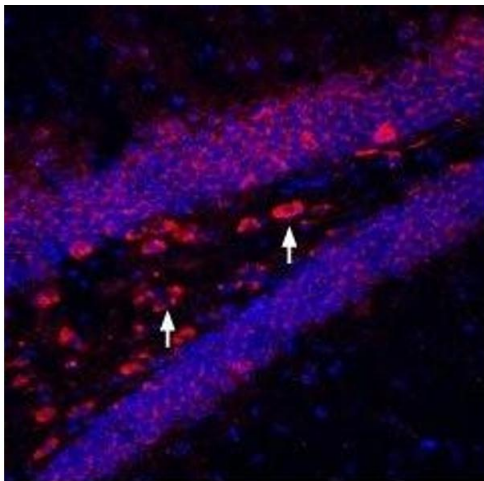
thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



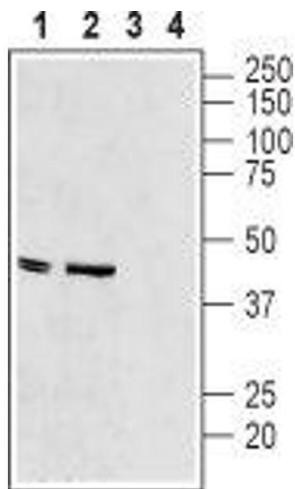
Western Blotting

Image 1. Western blot analysis of human SHSY-5Y neuroblastoma cell lysate: - 1. Guinea pig Anti-Kir6.2 Antibody (ABIN7043472, ABIN7045418 and ABIN7045419), (1:200). 2. Guinea pig Anti-Kir6.2 Antibody, preincubated with Kir6.2 Blocking Peptide (#BLP-PC020).



Immunohistochemistry

Image 2. Expression of Kir6.2 in mouse hippocampus - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections using Guinea pig Anti-Kir6.2 Antibody (ABIN7043472, ABIN7045418 and ABIN7045419), (1:300), followed by goat-anti-guinea pig-Cy3 antibody (red staining). Kir6.2 staining appears in the hilus region in neuronal outlines (arrows). Nuclei are stained with DAPI (blue).



Western Blotting

Image 3. Western blot analysis of rat heart membranes (lanes 1 and 3) and mouse heart lysate (lanes 2 and 4): - 1-2. Guinea pig Anti-Kir6.2 Antibody (ABIN7043472, ABIN7045418 and ABIN7045419), (1:500). 3-4. Guinea pig Anti-Kir6.2 Antibody, preincubated with Kir6.2 Blocking Peptide (#BLP-PC020).