

Datasheet for ABIN7044555
anti-KCNJ3 antibody (Extracellular Loop)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	KCNJ3
Binding Specificity:	Extracellular Loop
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KCNJ3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: Synthetic mapping to the extracellular loop of human GIRK1
Clone:	3C3
Isotype:	IgG1
Characteristics:	Mouse Anti-GIRK1 (Kir3.1) (extracellular) Antibody (ABIN7043483 and ABIN7044555) is a highly specific mouse monoclonal antibody directed against an epitope of the human protein. The antibody can be used in western blot, and immunocytochemistry applications. It has been designed to recognize Kir3.1 from human, rat and mouse samples.
Purification:	Affinity purified from cultured hybridoma medium.

Target Details

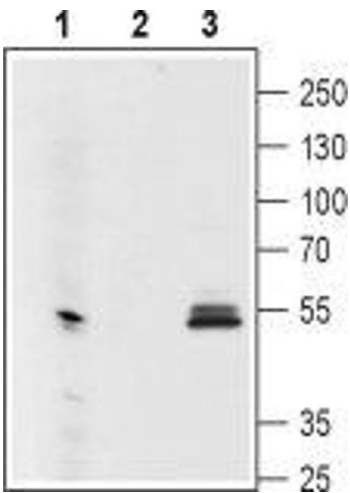
Target:	KCNJ3
Alternative Name:	GIRK1 (Kir3.1) (KCNJ3 Products)
Background:	Alternative names: GIRK1 (Kir3.1), KCNJ3, G protein-activated inward rectifier potassium channel 1
Gene ID:	3760
NCBI Accession:	NM_002239
UniProt:	P48549

Application Details

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

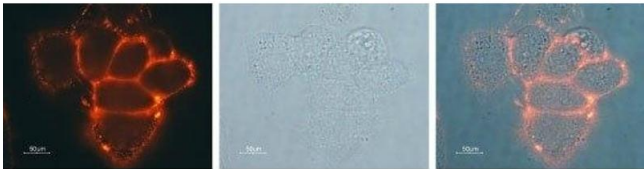
Handling

Format:	Lyophilized
Reconstitution:	25 µL or 100 µL double distilled water (DDW), depending on the sample size.
Concentration:	1 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 using Mouse Anti-GIRK1 (Kir3.1) (extracellular) Antibody (ABIN7043483 and ABIN7044555), (1:200): - 1. HEK cells transfected with human Kir3.1.2. HEK cells transfected with control vector.3. Mouse heart lysate.



Immunocytochemistry

Image 2. Expression of Kir3.1 in live intact human MCF-7 breast adenocarcinoma cell line - Cell surface detection of Kir3.1 in live intact human MCF-7 breast carcinoma cells. A. Cells were stained with Mouse Anti-GIRK1 (Kir3.1) (extracellular) Antibody (ABIN7043483 and ABIN7044555), (1:20), followed by goat anti-mouse-DyLight-594 secondary antibody (red). B. Live view of the cells. C. Merge of the two images.