

Datasheet for ABIN7043495

anti-KCNMA1 antibody (1st Extracellular Loop)**2** Images[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	KCNMA1
Binding Specificity:	1st Extracellular Loop, AA 199-213
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNMA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DSSNPIES(S)QNFYKD, corresponding to amino acid residues 199-213 of rat KCNMA1
Isotype:	IgG
Characteristics:	Anti-KCNMA1 (KCa1.1) (extracellular) Antibody (ABIN7043495, ABIN7045048 and ABIN7045049)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunohistochemistry, and indirect flow cytometry applications. The antibody recognizes an extracellular epitope and is thus ideal for detecting the channel in living cells. It has been designed to recognize KCNMA1 from human, rat, and mouse samples.

Product Details

Purification: Affinity purified on immobilized antigen.

Target Details

Target: KCNMA1

Alternative Name: KCNMA1 (KCa1.1) ([KCNMA1 Products](#))

Background: Alternative names: KCNMA1 (KCa1.1), Large conductance calcium-activated potassium channel subfamily M subunit alpha-1, BKCa alpha, Maxi K⁺, Slo1

Gene ID: 83731

NCBI Accession: [NM_002247](#)

UniProt: [Q62976](#)

Pathways: [Regulation of Hormone Metabolic Process](#), [Sensory Perception of Sound](#)

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

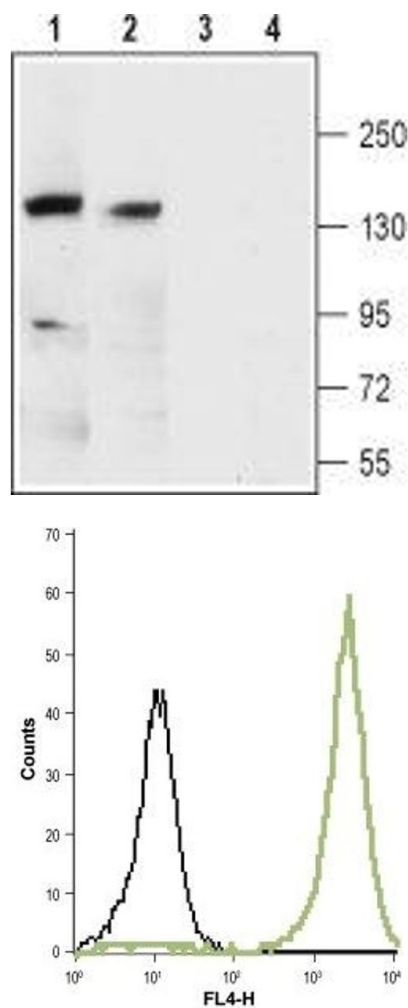
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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 rat (lanes 1 and 3) and mouse brain membranes (lanes 2 and 4): - 1,2. Anti-KCNMA1 (KCa1.1) (extracellular) Antibody (ABIN7043495, ABIN7045048 and ABIN7045049), (1:200).3,4. Anti-KCNMA1 (KCa1.1) (extracellular) Antibody, preincubated with KCNMA1/KCa1.1 (extracellular) Blocking Peptide (#BLP-PC151).

Flow Cytometry

Image 2. Cell surface detection of KCa1.1 in live intact THP-1 (human acute monocytic leukemia cells) cell line: (black line) Cells + goat-anti-rabbit-Cy5. (green line) Cells + Anti-KCNMA1 (KCa1.1) (extracellular) Antibody (ABIN7043495, ABIN7045048 and ABIN7045049), (1:20) + goat-anti-rabbit-Cy5.