

Datasheet for ABIN7043518

anti-KCNA2 antibody (1st Extracellular Loop)**2** Images[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	KCNA2
Binding Specificity:	1st Extracellular Loop, AA 189-201
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNA2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RDENEDMHGGGVT, corresponding to amino acid residues 189-201 of rat KV1.2
Isotype:	IgG
Characteristics:	Anti-Kv1.2 (KCNA2) (extracellular) Antibody is directed against an epitope of rat KV1.2. Anti-KV1.2 (KCNA2) (extracellular) Antibody (ABIN7043518, ABIN7045060 and ABIN7045061)) can be used in western blot and live cell imaging applications. It has been designed to recognize KV1.2 from human, rat and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

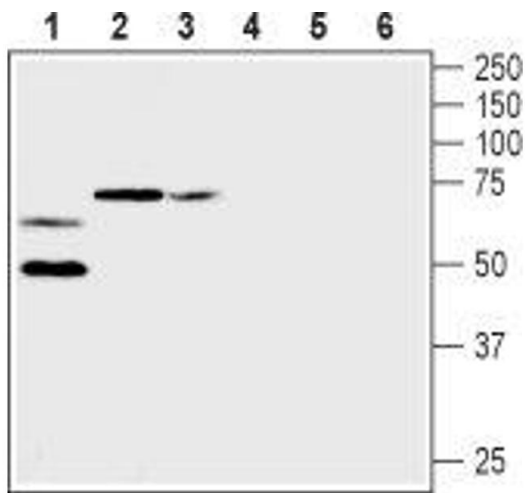
Target:	KCNA2
Alternative Name:	KV1.2 (KCNA2) (KCNA2 Products)
Background:	Alternative names: KV1.2 (KCNA2), Potassium voltage-gated channel subfamily A member 2, RBK2
Gene ID:	25468
NCBI Accession:	NM_004974
UniProt:	P63142

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 rat heart membranes (lanes 1 and 4), mouse brain membranes (lanes 2 and 5) and rat brain membranes (lanes 3 and 6): - 1-3. Anti-KV1.2 (KCNA2) (extracellular) Antibody (ABIN7043518, ABIN7045060 and ABIN7045061), (1:200).4-6. Anti-KV1.2 (KCNA2) (extracellular) Antibody, preincubated with Kv1.2/KCNA2 (extracellular) Blocking Peptide (#BLP-PC162).

Immunocytochemistry

Image 2. Expression of KV1.2 in live intact rat PC12 cells - Cell surface detection of KV1.2 in live intact rat PC12 pheochromocytoma cells. A. Extracellular staining of cells with Anti-KV1.2 (KCNA2) (extracellular) Antibody (ABIN7043518, ABIN7045060 and ABIN7045061), (1:50), followed by goat anti-rabbit-AlexaFluor-488 secondary antibody (green). B. Live view of the cells. C. Merge of A and B.

