

Datasheet for ABIN7043517
anti-KCNA2 antibody (C-Term, Intracellular)

3 Images

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Overview

Quantity:	25 µL
Target:	KCNA2
Binding Specificity:	AA 417-499, C-Term, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNA2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: GST fusion protein Immunogen Sequence: GST fusion protein with the sequence YHRETEGEEQAQYLQVTSCP KIPSSPDLKK SRSASTISKSDYMEIQEGVNNSNEDFREENLKTANCTLANTNYVNITKMLTDV, corresponding to amino acid residues 417-499 of rat KV1.2
Isotype:	IgG
Characteristics:	Anti-Kv1.2 (KCNA2) Antibody is directed against an epitope of rat KV1.2. Anti-KV1.2 (KCNA2) Antibody (ABIN7043517, ABIN7044912 and ABIN7044913)) can be used in western blot, immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize KV1.2 from human, rat, and mouse samples.

Product Details

Purification: The serum was depleted of anti-GST antibodies by affinity chromatography on immobilized GST and then the IgG fraction was 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

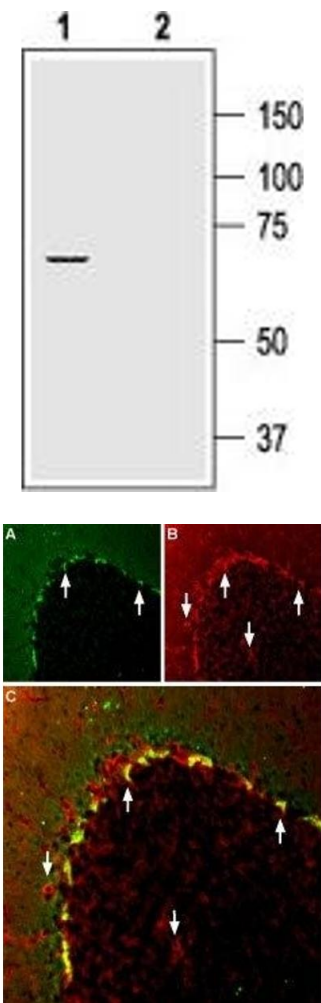
Application Details

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, 5 % sucrose, 0.025 % 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</p>

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

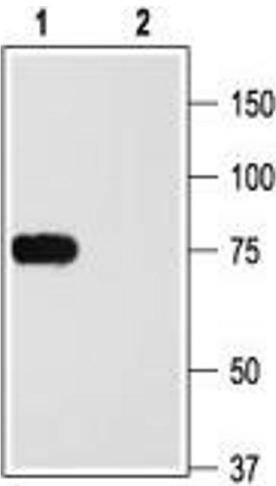


Western Blotting

Image 1. Western blot analysis of rat heart membranes: -
1. Anti-KV1.2 (KCNA2) Antibody (ABIN7043517, ABIN7044912 and ABIN7044913), (1:200) 2. Anti-KV1.2 (KCNA2) Antibody, preincubated with Kv1.2/KCNA2 Blocking Peptide (#BLP-PC010).

Immunohistochemistry

Image 2. Multiplex staining of KV1.2 and KV1.1 in mouse cerebellum - Immunohistochemical staining of mouse perfusion-fixed frozen brain sections using Anti-KV1.2 (KCNA2) Antibody (ABIN7043517, ABIN7044912 and ABIN7044913), (1:300) and Anti-KV1.1 (KCNA1) (extracellular)-ATTO Fluor-594 Antibody (ABIN7043515), (1:100). A. KV1.2 staining, followed by donkey-anti-rabbit-Cy2 (green). B. KV1.1 staining (red). C. Merge of the two images suggests considerable co-localization in the pinneau structures (up-pointing arrows). KV1.1 also appears in blood vessels (down-pointing arrows), where no KV1.2 expression is observed.



Western Blotting

Image 3. Western blot analysis of rat brain membranes: -
1. Anti-KV1.2 (KCNA2) Antibody (ABIN7043517, ABIN7044912 and ABIN7044913), (1:200).2. Anti-KV1.2 (KCNA2) Antibody, preincubated with Kv1.2/KCNA2 Blocking Peptide (#BLP-PC010).