Datasheet for ABIN7043519

anti-KCNA3 antibody (1st Extracellular Loop)

2 Images

Go to Product page

Overview

Quantity:	50 µL
Target:	KCNA3
Binding Specificity:	1st Extracellular Loop, AA 263-276
Reactivity:	Human, Mouse, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Conjugate:	This KCNA3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: KDYPASTSQDSFEA(C), corresponding to amino acid residues 263-276 of human KV1.3
Isotype:	IgG
Characteristics:	Guinea pig Anti-KV1.3 (KCNA3) (extracellular) Antibody (#) is a highly specific antibody directed against an epitope of the human protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize KV1.3 potassium channel from mouse, rat, and human samples. The antigen used to immunize guinea pigs is the same as Anti-KV1.3 (KCNA3) (extracellular) Antibody (ABIN7043521, ABIN7044992 and ABIN7044993)) 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

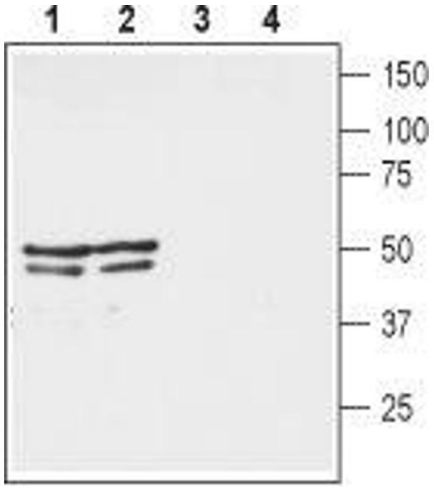
Target:	KCNA3
Alternative Name:	KV1.3 (KCNA3) (KCNA3 Products)
Background:	Alternative names: KV1.3, Potassium voltage-gated channel subfamily A member 3
Gene ID:	3738
NCBI Accession:	NM_002232
UniProt:	P22001

Application Details

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

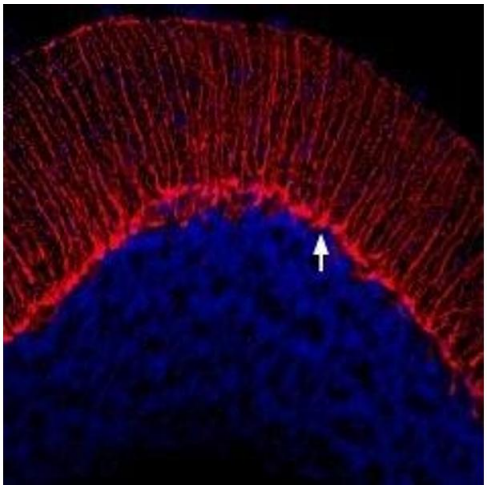
Handling

Format:	Lyophilized
Reconstitution:	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).



Western Blotting

Image 1. Western blot analysis of mouse (lanes 1 and 3) and rat (lanes 2 and 4) brain lysates: - 1,2. Guinea pig Anti-KV1.3 (KCNA3) (extracellular) Antibody (ABIN7043519 and ABIN7045366), (1:200).3,4. Guinea pig Anti-KV1.3 (KCNA3) (extracellular) Antibody, preincubated with Kv1.3/KCNA3 (extracellular) Blocking Peptide (#BLP-PC101).



Immunohistochemistry

Image 2. Expression of KV1.3 in mouse cerebellum - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections using Guinea pig Anti-KV1.3 (KCNA3) (extracellular) Antibody (ABIN7043519 and ABIN7045366), (1:100). KV1.3 staining (red) is detected in Bergmann glia outlines (arrow). DAPI is used as the counterstain (blue) .