

Datasheet for ABIN7043498

anti-KCNS3 antibody (1st Extracellular Loop)**2** Images[Go to Product page](#)

Overview

Quantity:	50 µL
Target:	KCNS3
Binding Specificity:	1st Extracellular Loop, AA 209-223
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNS3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EFQNEDGEVDDPVLE, corresponding to amino acid residues 209-223 of rat KCNS3
Isotype:	IgG
Characteristics:	Anti-KCNS3 (Kv9.3) (extracellular) Antibody is directed against an extracellular epitope of the rat KV9.3 channel. Anti-KCNS3 (KV9.3) (extracellular) Antibody (ABIN7043498 and ABIN7045036)) can be used in western blot and immunohistochemistry applications. It has been designed to recognize KV9.3 from human mouse and rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

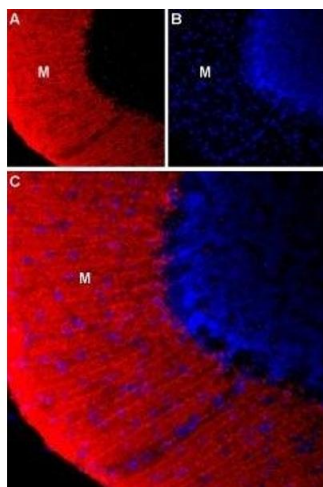
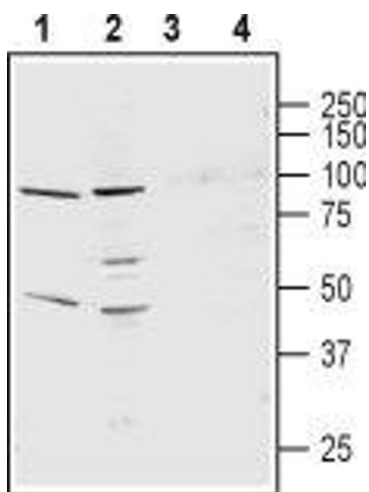
Target:	KCNS3
Alternative Name:	KCNS3 (KV9.3) (KCNS3 Products)
Background:	Alternative names: KCNS3 (KV9.3), Potassium voltage-gated channel subfamily S member 3
Gene ID:	117023
NCBI Accession:	NM_002252
UniProt:	O88759

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:	<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 lung membranes (lanes 1 and 3) and mouse heart membranes (lanes 2 and 4):

- 1,2. Anti-KCNS3 (KV9.3) (extracellular) Antibody (ABIN7043498 and ABIN7045036), (1:200).
- 3,4. Anti-KCNS3 (KV9.3) (extracellular) Antibody, preincubated with KCNS3/Kv9.3 (extracellular) Blocking Peptide (#BLP-PC133).

Immunohistochemistry

Image 2. Expression of KV9.3 channel in rat cerebellum - Immunohistochemical staining of immersion-fixed, free floating rat brain frozen sections using Anti-KCNS3 (KV9.3) (extracellular) Antibody (ABIN7043498 and ABIN7045036), (1:200). A. KV9.3 staining (red) is expressed in the molecular layer (M). B. DAPI counterstain (blue) displays the layout of cerebellar layers. C. Merge of A and B demonstrates restriction of KV9.3 expression to the molecular layer.