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Datasheet for ABIN7043505 anti-KCNQ3 antibody (C-Term, Intracellular)





Overview

Quantity:	25 µL
Target:	KCNQ3
Binding Specificity:	AA 668-686, C-Term, Intracellular
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNQ3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: AEGEKKEDNRYSDLKTIIC, corresponding to amino acid residues 668-
	686 of rat KCNQ3

Isotype:	lgG
Characteristics:	Anti-KCNQ3 Antibody (ABIN7043505, ABIN7044961 and ABIN7044962)) is a highly specific
	antibody directed against an epitope of the rat KV7.3 channel. The antibody can be used in
	western blot, immunoprecipitation, immunohistochemistry, and immunocytochemistry
	applications. It has been designed to recognize KCNQ3 from rat, human, and mouse samples.
Durification:	Affinity purified on immobilized antigen

Purification: Affinity purified on immobilized antigen.

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Target Details

Target:	KCNQ3
Alternative Name:	KCNQ3 (KCNQ3 Products)
Background:	Alternative names: KCNQ3, KV7.3, Potassium voltage-gated channel subfamily KQT member 3, BFNC2
Gene ID:	29682
NCBI Accession:	NM_004519
UniProt:	088944

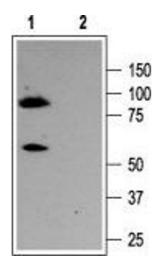
Application Details

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:	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).

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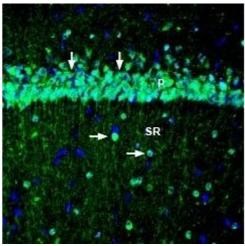


Western Blotting

Image 1. Western blot analysis of rat brain membranes: -1. Anti-KCNQ3 Antibody (ABIN7043505, ABIN7044961 and ABIN7044962), (1:200). 2. Anti-KCNQ3 Antibody, preincubated with KCNQ3 Blocking Peptide (#BLP-PC051).



Image 2. Expression of KCNQ3 in rat hippocampus -Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-KCNQ3 Antibody (ABIN7043505, ABIN7044961 and ABIN7044962), (1:200), followed by goat anti-rabbit-AlexaFluor-488. KCNQ3 immunoreactivity (green) appears in cells of the pyramidal layer (P, vertical arrows) and cells of the stratum radiatum (SR, horizontal arrows). Cell nuclei are stained with DAPI (blue).



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