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Datasheet for ABIN5540445
anti-KCNK2 antibody (AA 4-14)

Overview

Quantity:	0.5 mg
Target:	KCNK2
Binding Specificity:	AA 4-14
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNK2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	A synthetic peptide derived from the amino sequence 4-14 of human TREK-1, conjugated with KLH
Sequence:	SASRERPGYT A
Specificity:	This antibody reacts with the 47 kDa TREK-1 in Jurkat cell extract.
Purification:	Protein G affinity

Target Details

Target:	KCNK2
Alternative Name:	kcnk2 (KCNK2 Products)
Background:	TWIK-related potassium channel 1(TREK-1), also known as K2P2.1, is a two pore domain gated

Target Details

potassium channel that is involved with pain reception. TREK-1 is highly expressed in small sensory neurons and is extensively colocalized with TRPV1. TREK-1 is sensitive to noxious stimuli including extracellular pH, temperature, mechanical force, osmotic pressure and other stimuli. TREK-1 is one of the targets for pain mediator and anaesthesia drug.

Application Details

Application Notes: ELISA: The antibody (1:500,000 diluted) can detect the TREK-1 peptide coated on ELISA plate at 100 ng/well. Western blot: Dilute approx. 1:3,000 to detect the 47 kDa TREK-1 in Jurkat cell extract.

Restrictions: For Research Use only

Handling

Buffer: 0.01M PBS, pH 7.4

Preservative: Azide free

Storage: 4 °C, -20 °C

Storage Comment: Store lyophilized at 2-8°C for 6 month or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Expiry Date: 12 months