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Datasheet for ABIN1386737 **anti-KCNT2 antibody (AA 51-150)**

Overview

Quantity:	100 µL
Target:	KCNT2
Binding Specificity:	AA 51-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNT2 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KCNT2
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	KCNT2
Alternative Name:	KCNT2 (KCNT2 Products)

Target Details

Background:	<p>Synonyms: KCa4.2, Potassium channel, subfamily T, member 2, Sequence like an intermediate conductance potassium channel subunit, SLICK, SLO2.1, Sodium and chloride activated ATP sensitive potassium channel, Sodium and chloride activated ATP sensitive potassium channel Slo2.1, KCNT2_HUMAN.</p> <p>Background: Voltage-gated K⁺ channels in the plasma membrane are important regulators of electrical signaling, controlling the repolarization and the frequency of action potentials in neurons, muscles and other excitable cells. KCNT2 is a 1,135 amino acid multi-pass transmembrane protein belonging to the potassium channel family (calcium-activated subfamily) of proteins. KCNT2 produces rapidly activating outward rectifier potassium currents in response to high intracellular sodium and chloride levels. Its channel activity is inhibited by ATP, inhalation anesthetics, such as isoflourane, and upon stimulation of G-protein coupled receptors, such as mAChR M1 and GluR-1. There are four isoforms of KCNT2 that are produced as a result of alternative splicing events.</p>
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Application Details

Application Notes:	<p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> <p>ICC 1:100-500</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months