Datasheet for ABIN1430078

anti-KCNF1 antibody (PE-Cy5.5)

Go to Product page

Overview

Quantity:	100 µL
Target:	KCNF1
Reactivity:	Human, Mouse, Rat, Chicken, Cow, Dog, Guinea Pig, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNF1 antibody is conjugated to PE-Cy5.5
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KCNF1
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	KCNF1
Alternative Name:	KCNF1 (KCNF1 Products)
Background:	Synonyms: IK 8, IK8, KCNF 1, KCNF, Kcnf1, KCNF1_HUMAN, kH 1, kH1, KV5.1, Potassium voltage-gated channel subfamily F member 1, MGC33316, Potassium channel KH1, Potassium

Target Details

	channel Kv5.1, Potassium voltage gated channel subfamily F member 1, Potassium voltage-gated channel subfamily F member 1, Voltage gated potassium channel subunit Kv5.1, Voltage-gated potassium channel subunit Kv5.1. Background: KCNF1 is a multi-pass membrane-bound protein that acts as an ion channel and is generally expressed as a heterotetramer of potassium channeling proteins. Formerly known as kH1, KCNF1 is usually found as a heteromer with three other potassium channel proteins, KCNG3, KV6.3 and KCNV2. As a potassium channel protein, KCNF1 plays a role in regulating apoptosis and proliferation of pulmonary artery smooth muscle (PASM) cells. Bone morphogenetic proteins (BMPs) restrict proliferation and can induce apoptosis in normal human PASM cells and will upregulate expression of KCNF1 in PASM cells in vitro. KCNF1 is expressed in heart, brain, liver, skeletal muscle, kidney and pancreas.
Molecular Weight:	56kDa

Application Details

Application Notes:	FCM(1:100-500) Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months