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Datasheet for ABIN5005777

**anti-KCNF1 antibody (AA 161-260) (Alexa Fluor 680)**

## Overview

Quantity:	100 µL
Target:	KCNF1
Binding Specificity:	AA 161-260
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNF1 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## 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 ( <a href="#">KCNF1 Products</a> )

## Target Details

Background:	<p>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 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.</p> <p>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.</p>
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## Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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:	ProClin
Precaution of Use:	This product contains ProClin: 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