

Datasheet for ABIN706089

anti-SCNN1G antibody (PE-Cy7)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	SCNN1G
Reactivity:	Human, Rat, Mouse, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCNN1G antibody is conjugated to PE-Cy7
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ENaCg
Isotype:	IgG
Specificity:	Excitation / Emission Wavelengths: 480,565,743nm/767nm
Cross-Reactivity:	Rat (Rattus), Dog (Canine)
Purification:	purified by Protein A

Target Details

Target:	SCNN1G
Alternative Name:	epithelial Sodium Channel gamma (SCNN1G Products)
Background:	Epithelial sodium channels are amiloride-sensitive members of the Degenerin/epithelial sodium channel (Deg/ENaC) superfamily of ion channels. Members of this superfamily of ion channels

Target Details

share organizational similarity in that they all possess two short intracellular amino and carboxyl termini, two short membrane spanning segments, and a large extracellular loop with a conserved cysteine-rich region. There are three homologous isoforms of the ENaC (alpha, beta, and gamma) protein. ENaC in the kidney, lung, and colon plays an essential role in trans-epithelial sodium and fluid balance. ENaC also mediates aldosterone-dependent sodium reabsorption in the distal nephron of the kidney, thus regulating blood pressure. ENaC is thought to be regulated, in part, through association with the cystic fibrosis transmembrane conductance regulator (CFTR) chloride ion channel. Gain-of-function mutations in beta- or gamma-ENaC can cause severe arterial hypertension (Liddle's syndrome) and loss-of-function mutations in alpha- or beta-ENaC causes pseudohypoaldosteronism (PHA-1).

Molecular Weight: 60-75kDa

Gene ID: 6340

Application Details

Comment: Excitation / Emission wavelength: 496,565nm / 774nm

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 100 µg/mL BSA, 50 % glycerol and 0.09 % Gentamicin.

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: 4 °C

Storage Comment: Store at 4 °C for 12 months

Expiry Date: 12 months