antibodies

Datasheet for ABIN5066890 anti-SCNN1B antibody (AA 617-638) (PerCP)

Image



Overview

Quantity:	100 µg
Target:	SCNN1B
Binding Specificity:	AA 617-638
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SCNN1B antibody is conjugated to PerCP
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide from the C-terminal of Rat ENaC beta (aa. 617-638)
Clone:	7B8
Isotype:	lgG1
Specificity:	Detects ~87 kDa.
Cross-Reactivity:	Mouse
Purification:	Protein G Purified

Target Details

Target:	SCNN1B
Alternative Name:	ENaC beta (SCNN1B Products)

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Target Details

Background:	The Epithelial Sodium Channel (ENaC) is a membrane ion channel permeable to Na+ ions. It is
	located in the apical plasma membrane of epithelia in the kidneys, lung, colon, and other tissues
	where it plays a role in trans epithelial Na+-ion transport (1). Specifically Na+ transport via ENaC
	occurs across many epithelial surfaces, and plays a key role in regulating salt and water
	absorption (2). ENaCs are composed of three structurally related subunits that form a
	tetrameric channel, alpha, beta, and gamma. The expression of its alpha and beta subunits is
	enhanced as keratinocytes differentiate (3, 4). The beta and gamma-ENaC subunits are
	essential for edema fluid to exert its maximal effect on net fluid absorption by distal lung
	epithelia(5). And it has been concluded that the subunits are differentially expressed in the
	retina of mice with ocular hypertension, therefore the up-regulation of alpha-ENaC proteins
	could serve as a protection mechanism against elevated intraocular pressure (6).
Gene ID:	24767
NCBI Accession:	NP_036780
UniProt:	P37090
Application Details	

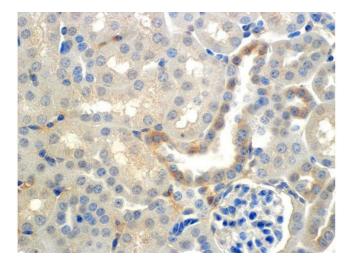
Application Notes:	 WB (1:1000) IHC (1:150) optimal dilutions for assays should be determined by the user.
Comment:	A 1:1000 dilution of ABIN5066890 was sufficient for detection of ENaC beta in 15 µg of Mouse whole kidney lysate by ECL immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling

Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C

Images



Immunohistochemistry

Image 1. Immunohistochemistry analysis using Mouse Anti-ENaC beta Monoclonal Antibody, Clone 7B8 . Tissue: Kidney (cortex). Species: Mouse. Primary Antibody: Mouse Anti-ENaC beta Monoclonal Antibody at 1:150. Localization: Collecting duct principal cells. Magnification: 60X.