Nur für Forschungszwecke

SCNN1A Polyklonaler Antikörper

Katalog-Nr.:10924-2-AP Vorgestelltes Produkt 14 Publikationen

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Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
10924-2-AP

Größe:
150ul , Konzentration: 187 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG1325

GenBank-Zugangsnummer:
BC006526

GeneID (NCBI):
6337

Vollständiger Name:
sodium channel, nonvoltage-gated 1 alpha

Berechneté Masse:
76 kDa

Beobachteté Masse:
60-70 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:1000
IHC 1:20-1:200
IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:
IF, IHC, WB,ELISA

In Publikationen genannte Anwendungen:
IHC, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : PC-13-Zellen, HEK-293

IHC : humanes Nierengewebe,

IF : A549-Zellen,

Hintergrundinformationen

SCNN1A (sodium channel, non-voltage-gated 1 alpha), also known as ENaCA (epithelial Na(+) channel subunit alpha) or amiloride-sensitive sodium channel subunit alpha, is the alpha subunit of the epithelial Na(+) channel (ENaC). ENaC is expressed in the apical membrane of salt-absorbing epithelia of kidney, distal colon, and lung. ENaC is a non-voltage gated, constitutively active channel highly selective for sodium. It has an essential role in salt and fluid homeostasis across epithelial tissues. ENaC consists of three different subunits: alpha, beta, gamma. Mutations in the gene of SCNN1A have been associated with pseudohypoaldosteronism type 1 (PHA1), a rare salt wasting disease resulting from target organ unresponsiveness to mineralocorticoids. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. It has been reported that full-length SCNN1A protein can be cleaved into 65- and 30-kDa fragments (PMID: 16477034; 18701608).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ivana d'Angelo	29035132	J Aerosol Med Pulm Drug Deliv	WB
Jianping Zhang	31719660	Sci Rep	IHC
David W Scott	28481660	Am J Respir Crit Care Med	WB

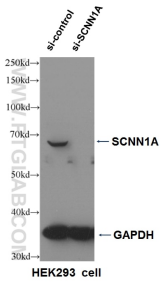
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

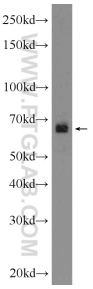
***** 20ul-Größen enthalten 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

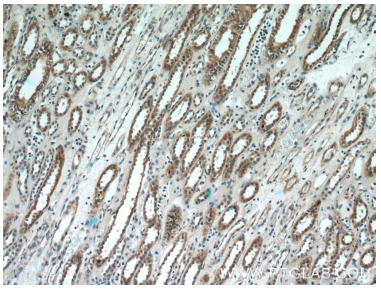
Ausgewählte Validierungsdaten



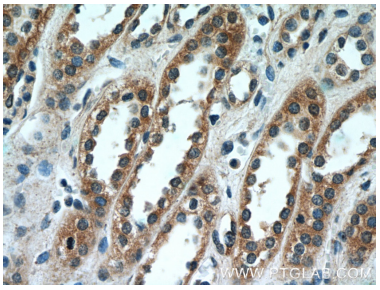
WB result of SCNN1A (10924-2-AP, 1:1000) with si-control and si-SCNN1A transfected HEK293 cells.



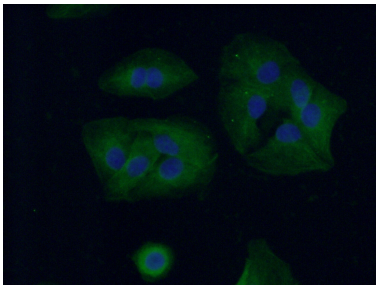
PC-13 cells were subjected to SDS PAGE followed by western blot with 10924-2-AP (SCNN1A Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10924-2-AP (SCNN1A Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10924-2-AP (SCNN1A Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using 10924-2-AP (SCNN1A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).