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PRODUCT DATASHEET

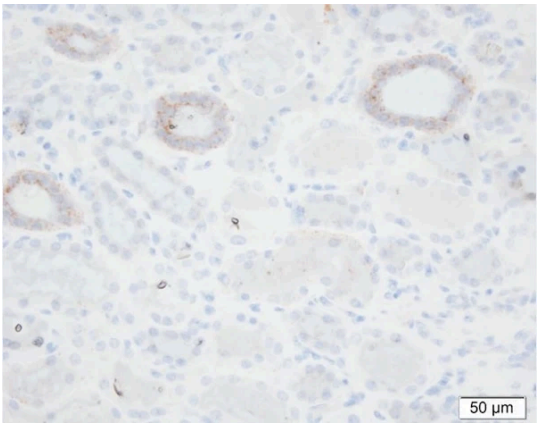
Anti-SCNN1G/Gamma-Subunit Epithelial Sodium Channel Antibody

Product Details

Available Variants	100 uL (SKU:CAM 035-01-010) 400 uL (SKU:CAM 035-01-04) 1000 uL (SKU:CAM 035-01-1)
Conjugate	Unconjugated
Isotype	IgG1/k
Clone	11-35-1
Gene Name	SCNN1G
Host Species	Mouse
Concentration	1 mg/mL ±15%
Format	Protein A or Protein G purified
Physical State	Liquid
Buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
Production Notes	BSA free
Applications	ELISA, IF, IHC, WB
Species Reactivity	Human
Immunogen	Synthetic peptide seguence: VGGSIIHKAC
Specificity	CAM 035-01 is specific for the neoepitope generated after proteolytic cleavage of human yENaC and recognizes the C-terminal fragment starting from amino acid residue 182.
Molecular Weight	74 kDa
Storage	2-8°C without exposure to light
UniProt ID	P51170 UniProt Summary: This is one of the three pore-forming subunits of the heterotrimeric epithelial sodium channel (ENaC), a critical regulator of sodium

	balance and fluid homeostasis (PubMed:30251954, PubMed:32729833, PubMed:7550319, PubMed:7762608, PubMed:9792722). ENaC operates in epithelial tissues, where it mediates the electrodiffusion of sodium ions from extracellular fluid through the apical membrane of cells, with water following osmotically (PubMed:24124190). It plays a key role in maintaining sodium homeostasis through electrogenic sodium reabsorption in the kidneys (PubMed:12107247, PubMed:7550319, PubMed:8640238). Additionally, ENaC is essential for airway surface liquid homeostasis, which is crucial for proper mucus clearance (PubMed:18507830, PubMed:19017867, PubMed:24124190). {ECO:0000269|PubMed:12107247, ECO:0000269|PubMed:18507830, ECO:0000269|PubMed:19017867, ECO:0000269|PubMed:24124190, ECO:0000269|PubMed:30251954, ECO:0000269|PubMed:32729833, ECO:0000269|PubMed:7550319, ECO:0000269|PubMed:7762608, ECO:0000269|PubMed:8640238, ECO:0000269|PubMed:9792722}.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	6340

Product Images



Immunohistochemistry detection of SCNN1G/Gamma-Subunit Epithelial Sodium Channel in human kidney tissue using Anti-SCNN1G/Gamma-Subunit Epithelial Sodium Channel Antibody (Cat.CAM 035-01-010). Tissue was mounted and pariffin fixed. Heat induced antigen retrieval was performed using citrate buffer, heated, and then blocked. After washing, the primary antibody (Cat.CAM 035-01-010) was incubated with the sample. Courtesy of Per Svenningsen, PhD.



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