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Datasheet for ABIN682243

anti-SCNN1A antibody (AA 201-300)

3 Images

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Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | SCNN1A |
| Binding Specificity: | AA 201-300 |
| Reactivity: | Rat, Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SCNN1A antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

| | |
|-----------------------|--|
| Immunogen: | KLH conjugated synthetic peptide derived from human Alpha-ENaC |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Predicted Reactivity: | Dog,Cow,Sheep,Pig,Horse |
| Purification: | Purified by Protein A. |

Target Details

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|---------|--------|
| Target: | SCNN1A |
|---------|--------|

Target Details

| | |
|-------------------|--|
| Alternative Name: | Alpha-ENaC (SCNN1A Products) |
| Background: | <p>Synonyms: BESC2, ENaCa, SCNEA, SCNN1, ENaCalpha, Amiloride-sensitive sodium channel subunit alpha, Alpha-NaCH, Epithelial Na(+) channel subunit alpha, Alpha-ENaC, Nonvoltage-gated sodium channel 1 subunit alpha, SCNN1A</p> <p>Background: Sodium permeable non-voltage-sensitive ion channel inhibited by the diuretic amiloride. Mediates the electrodiffusion of the luminal sodium (and water, which follows osmotically) through the apical membrane of epithelial cells. Plays an essential role in electrolyte and blood pressure homeostasis, but also in airway surface liquid homeostasis, which is important for proper clearance of mucus. Controls the reabsorption of sodium in kidney, colon, lung and sweat glands. Also plays a role in taste perception.</p> |
| Gene ID: | 6337 |
| UniProt: | P37088 |

Application Details

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|--------------------|---|
| Application Notes: | WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 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: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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: | 4 °C,-20 °C |

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

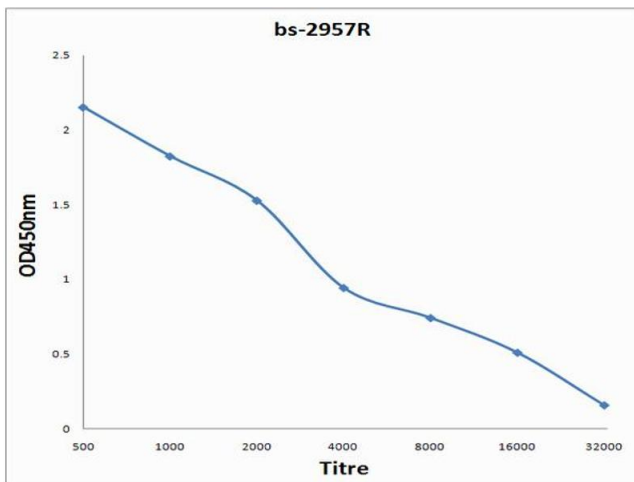
Expiry Date: 12 months

Publications

Product cited in: Scortegagna, Berthon, Settas, Giannakou, Garcia, Li, James, Liddington, Vilches-Moure, Stratakis, Ronai: "The E3 ubiquitin ligase Siah1 regulates adrenal gland organization and aldosterone secretion." in: **JCI insight**, Vol. 2, Issue 23, (2019) ([PubMed](#)).

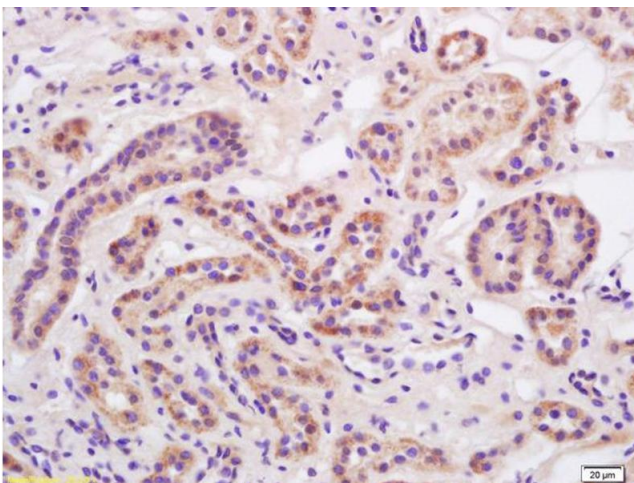
Yamamoto, Hotta, Maeda, Kataoka, Maeda, Hamakawa, Sasaki, Yasui, Asai, Kimura: "Mineralocorticoid receptor stimulation induces urinary storage dysfunction via upregulation of epithelial sodium channel expression in the rat urinary bladder epithelium." in: **Journal of pharmacological sciences**, Vol. 130, Issue 4, pp. 219-25, (2016) ([PubMed](#)).

Images



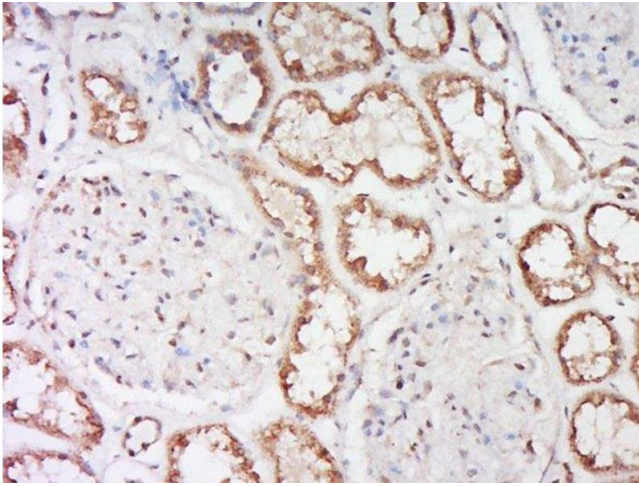
ELISA

Image 1. Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat kidney labeled with Anti-Alpha-ENaC Polyclonal Antibody, Unconjugated (ABIN682243) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded human kidney, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Alpha-ENaC Polyclonal Antibody, Unconjugated at 1:200 overnight at 4°C, followed by a conjugated secondary and DAB staining.