antibodies - online.com







anti-SCNN1A antibody (AA 617-638) (APC)





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| - Overview | | |
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| Quantity: | 100 μg | |
| Target: | SCNN1A | |
| Binding Specificity: | AA 617-638 | |
| Reactivity: | Rat | |
| Host: | Rabbit | |
| Clonality: | Polyclonal | |
| Conjugate: | This SCNN1A antibody is conjugated to APC | |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC) | |
| Product Details | | |

| Immunogen: | Produced against the C-terminal tail (amino acids 617-638) of rat beta ENaC (antibody designation 3755-2) |
|-------------------|---|
| Specificity: | Detects ~87 kDa. |
| Cross-Reactivity: | Hamster, Human, Mouse, Rat, Xenopus laevis |
| Purification: | Protein A Purified |

Target Details

| Target: | SCNN1A |
|-------------------|------------------------|
| Alternative Name: | ENaC (SCNN1A Products) |

Target Details

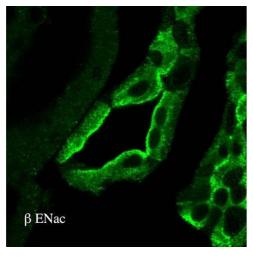
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|---------------------|--|--|
| Background: | The Epithelial Sodium Channel (ENaC) is a membrane ion channel permeable to Na+ ions. It is | |
| | located in the apical plasma membrane of epithelia in the kidneys, lung, colon, and other tissues | |
| | 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 (1:100) | |
| | optimal dilutions for assays should be determined by the user. | |
| Comment: | 1 μg/ml of ABIN2486409 was sufficient for detection of beta-ENaC in 20 μg of rat kidney tissue | |
| | lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary | |
| | antibody. | |
| Restrictions: | For Research Use only | |
| Handling | | |
| Format: | Liquid | |
| Concentration: | 1 mg/mL | |
| Buffer: | PBS, 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 bondled by trained staff only | |

should be handled by trained staff only.

Storage: 4 °C

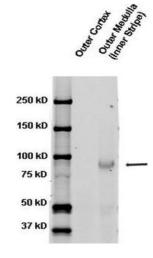
Storage Comment: Conjugated antibodies should be stored at 4°C

Images



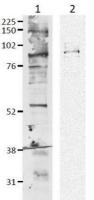
Immunohistochemistry

Image 1. Immunohistochemistry analysis using Rabbit Anti-ENaC Polyclonal Antibody . Tissue: kidney tissue. Species: Rat. Primary Antibody: Rabbit Anti-ENaC Polyclonal Antibody at 1:100. Secondary Antibody: FITC Goat Anti-Rabbit (green).



Western Blotting

Image 2. Western blot analysis of Rat kidney tissue lysates showing detection of ENaC protein using Rabbit Anti-ENaC Polyclonal Antibody . Primary Antibody: Rabbit Anti-ENaC Polyclonal Antibody at 1:1000.



Western Blotting

Image 3. Western blot analysis of Mouse mpkCCD cell lysates showing detection of ENaC protein using Rabbit Anti-ENaC Polyclonal Antibody . Primary Antibody: Rabbit Anti-ENaC Polyclonal Antibody at 1:1000.

- 1- mpkCCD cell lysate (mouse)
- 2- FRT expressing tagged β -mENaC

Please check the product details page for more images. Overall 4 images are available for ABIN2486409.