

## Product datasheet for **TA326579**

### Scnn1a Rabbit Polyclonal Antibody

#### Product data:

|                       |                                                                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:         | Primary Antibodies                                                                                                                   |
| Applications:         | WB                                                                                                                                   |
| Recommended Dilution: | WB: 1:1000                                                                                                                           |
| Reactivity:           | Rat, Mouse                                                                                                                           |
| Host:                 | Rabbit                                                                                                                               |
| Clonality:            | Polyclonal                                                                                                                           |
| Immunogen:            | AA46–68 of the rat sequence                                                                                                          |
| Formulation:          | PBS, 50% glycerol and 0.09% sodium azide                                                                                             |
| Concentration:        | lot specific                                                                                                                         |
| Purification:         | Affinity Purified                                                                                                                    |
| Conjugation:          | Unconjugated                                                                                                                         |
| Storage:              | Store at -20°C as received.                                                                                                          |
| Stability:            | Stable for 12 months from date of receipt.                                                                                           |
| Gene Name:            | sodium channel epithelial 1 alpha subunit                                                                                            |
| Database Link:        | <a href="#">NP_113736</a><br><a href="#">Entrez Gene 20276 Mouse</a> <a href="#">Entrez Gene 25122 Rat</a><br><a href="#">P37089</a> |

**Background:** The Epithelial Sodium Channel (ENaC) is a membrane ion channel permeable to Na<sup>+</sup> 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 transepithelial Na<sup>+</sup>-ion transport . Specifically Na<sup>+</sup> transport via ENaC occurs across many epithelial surfaces, and plays a key role in regulating salt and water absorption . 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 . The beta and gamma-ENaC subunits are essential for edema fluid to exert its maximal effect on net fluid absorption by distal lung epithelia. 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 .

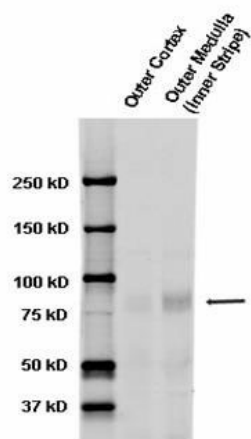


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Synonyms: Alpha-ENaC; Alpha-NaCH; BESC2; ENaCa; ENaCalpha; FLJ21883; SCNEA; SCNN1

Note: Detects ~85kDa.

### Product images:



Western blot analysis of ENaC-Alpha in rat kidney tissue using a 1:1000 dilution of the antibody