

Product datasheet for **TA326581**

Scnn1g Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	AA629–650 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 gamma subunit
Database Link:	NP_058742 Entrez Gene 20278 Mouse Entrez Gene 24768 Rat P37091

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 transepithelial Na⁺-ion transport . Specifically Na⁺ 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, α , β , and γ . 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 .

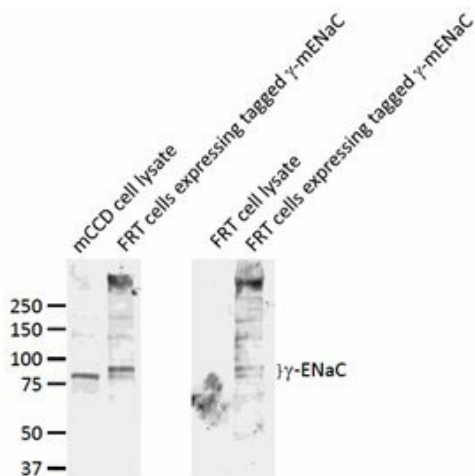


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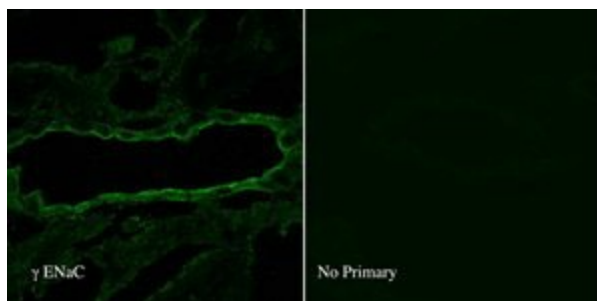
Synonyms: BESC3; ENaCγ; ENaCgamma; Gamma-ENaC; Gamma-NaCH; PHA1; SCNEG

Note: Detects ~83kDa.

Product images:



Western blot analysis of ENaC Gamma in mouse mCCD and FRT cells using a 1:1000 dilution of the antibody



IF analysis of ENaC Gamma in rat kidney tissue using a dilution of the antibody