

## ENaC alpha Monoclonal Antibody

### ORDERING INFORMATION

Catalog No.	Clone No.	MAb Subtype	Size
11575	2G4	IgG2b	100ug

**Format:** Protein G-purified antibody (1mg/ml) in PBS, pH 7.4, 50% glycerol, 0.09% sodium azide.

### BACKGROUND

The epithelial sodium channel (ENaC) is a membrane-bound ion-channel that is selectively permeable to Na<sup>+</sup> ions and that is assembled as a heterotrimer composed of three homologous subunits  $\alpha$ ,  $\beta$ , and  $\gamma$ . It is involved primarily in the reabsorption of sodium ions in the collecting ducts of the kidney's nephrons. These channels mediate the first step of active sodium reabsorption essential for the maintenance of body salt and water homeostasis. In vertebrates, the channels control reabsorption of sodium in kidney, colon, lung and sweat glands; they also play a role in taste perception.

### SPECIFICATION SUMMARY

**Antigen:** Synthetic peptide corresponding to N-terminal aa 46-68 of rat ENaC alpha.

**Host Species:** Mouse

**Gene ID:** 25122

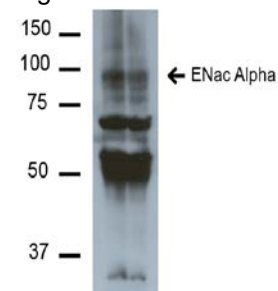
**Accession No.:** NP\_113736

**Swiss Prot:** Q6IRJ1

**Specificity:** Mouse and rat ENaC alpha

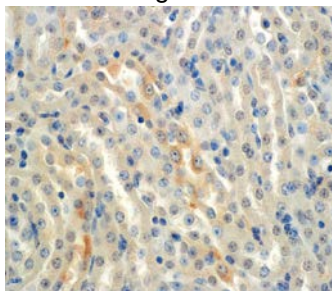
### APPLICATIONS

**Immunoblotting:** use at 1ug/ml.



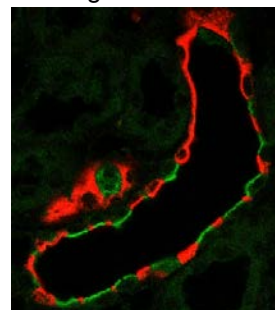
Detection of ~85kDa ENaC alpha in mouse kidney homogenate with #11575 at 1ug/ml.

**Immunohistochemistry:** use at 5-10ug/ml.



Detection of ENaC alpha in mouse kidney with #11575 at 7ug/ml.

**Immunofluorescence:** use at 10ug/ml.



Detection of ENaC alpha (green) in paraffin-embedded, formalin-fixed rat kidney with #11575 at 10ug/ml.

Endusers should determine optimal concentrations for their applications.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C.

*For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.*