

ENaC beta Monoclonal Antibody

ORDERING INFORMATION

Catalog No.	Clone No.	MAb Subtype	Size
11576	7B8	IgG1	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⁺ ions and that is assembled as a heterotrimer composed of three homologous subunits α , β , and γ . 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 C-terminal aa 617-638 of rat ENaC alpha.

Host Species: Mouse

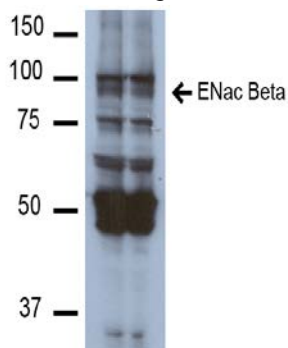
Gene ID: 24767

Accession No.: NP_036780, Q6IRJ1

Specificity: Mouse ENaC beta

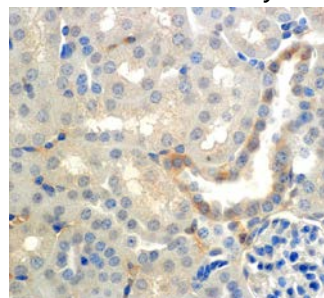
APPLICATIONS

Immunoblotting: use at 1ug/ml.



Detection of ~87kDa ENaC beta in mouse kidney homogenate with #11576 at 1ug/ml.

Immunohistochemistry: use at 5-10ug/ml.



Detection of ENaC beta in mouse kidney with #11576 at 7ug/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.