

EBP50 polyclonal antibody

Catalog: BS90442

Host: Rabbit

Reactivity: Human, Rat

BackGround:

The Na⁺/H⁺ exchange protein (NHE3) functions in trans-epithelial Na⁺ absorption and is primarily expressed in the intestinal and renal brush border membrane. NHE3 regulatory factor 1 (NHERF-1) interacts with NHE3 through two PDZ (for PSD-95, Discs-large and ZO-1 homology) domains, which are protein-protein interaction modules that associate with specific carboxy-terminal motifs on target proteins. Also known as EBP50, NHERF-1 facilitates cAMP inhibition of NHE3 to decrease Na⁺ adsorption. NHERF-1 functions as a scaffold for an essential multiprotein complex of Ezrin and NHE3 for cAMP-mediated phosphorylation and consequent inhibition of NHE3. The amino-terminal PDZ domain regulates the dimerization of NHERF-1 in vivo. G protein-coupled receptor kinase 6A phosphorylates NHERF-1 at Ser 289 via a PDZ domain-mediated interaction. NHERF-2, also known as E3KARP, is a ubiquitously expressed protein which also functions in NHE2 regulation.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

50 kDa

Swiss-Prot:

O14745(Human) Q9JJ19(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:2,000

IHC:1:50-1:200

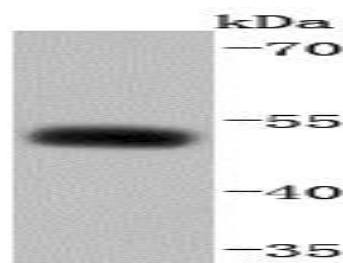
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

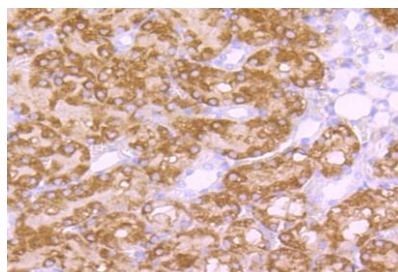
Specificity:

EBP50 polyclonal antibody detects endogenous levels of EBP50 protein.

DATA:



Western blot analysis of EBP50 on MCF-7 cells lysates using anti-EBP50 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti-EBP50 antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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