

Rabbit anti-Human, Rat EBP50 Monoclonal Antibody | anti-EBP50 antibody

EBP50 Antibody

CATALOG # AAA312393	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

EBP50; Monoclonal Antibody; EBP50 Antibody; EBP 50 antibody; EBP50 antibody; Ezrin radixin moesin binding phosphoprotein 50 antibody; Ezrin-radixin-moesin-binding phosphoprotein 50 antibody; Na (+)/H (+) exchange regulatory cofactor NHE RF antibody; Na (+)/H (+) exchange regulatory cofactor NHE-RF1 antibody; Na+/H+ exchange regulatory co factor antibody; NHERF 1 antibody; NHERF antibody; NHERF-1 antibody; NHERF1 antibody; NHRF1_HUMAN antibody; NPHLOP2 antibody; Regulatory cofactor of Na (+)/H (+) exchanger antibody; Slc9a3r1 antibody; Sodium hydrogen exchanger regulatory factor 1 antibody; Sodium-hydrogen exchanger regulatory factor 1 antibody; Sodium/hydrogen exchanger regulatory factor 1 antibody; Solute carrier family 9 (sodium/hydrogen exchanger) member 3 regulator 1 antibody; Solute carrier family 9 (sodium/hydrogen exchanger); isoform 3 regulatory factor 1 antibody; Solute carrier family 9 isoform 3 regulatory factor 1 antibody; Solute carrier family 9 isoform A3 regulatory factor 1 antibody; Solute carrier family 9 member 3 regulator 1 antibody; anti-EBP50 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Monoclonal
Clone Number	JJ0946
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-EBP50 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



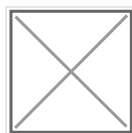
IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-EBP50 antibody	The Na ⁺ /H ⁺ exchange protein (NHE3) functions in transepithelial 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 Categories/Family for anti-EBP50 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759140
NCBI GeneID	9368
NCBI Accession #	NP_004243.1
NCBI GenBank Nucleotide #	NM_004252.4
UniProt Accession #	O14745; O43552; Q86WQ5
Molecular Weight	358
NCBI Official Full Name	Na(+)/H(+) exchange regulatory cofactor NHE-RF1
NCBI Official Synonym Full Names	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 1
NCBI Official Symbol	SLC9A3R1
NCBI Official Synonym Symbols	EBP50; NHERF; NHERF1; NHERF-1; NPHLOP2
NCBI Protein Information	Na(+)/H(+) exchange regulatory cofactor NHE-RF1; Na(+)/H(+) exchange regulatory cofactor NHE-RF1; Na ⁺ /H ⁺ exchange regulatory co-factor; regulatory cofactor of Na(+)/H(+) exchanger; ezrin-radixin-moesin binding phosphoprotein-50; ezrin-radixin-moesin-bindi
UniProt Protein Name	Na(+)/H(+) exchange regulatory cofactor NHE-RF1
UniProt Gene Name	SLC9A3R1
UniProt Synonym Gene Names	NHERF; NHERF1; NHERF-1; EBP50
UniProt Entry Name	NHRF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.