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30-1226: Anti-NHERF1 / EBP50 Monoclonal Antibody (Clone:EBP-10)

Clonality :	Monoclonal
Clone Name :	EBP-10
Application :	IP, WB, IHC
Reactivity :	Human
Gene :	SLC9A3R1
Gene ID :	9368
Uniprot ID :	O14745
Format :	Purified
Alternative Name :	SLC9A3R1,NHERF,NHERF1
Isotype :	Mouse IgG2b
Immunogen Information :	Bacterially produced recombinant full-length human NHERF1.

Description

NHERF1 (Na+/H+ exchanger regulatory factor 1), also known as EBP50 (ezrin, radixin, moesin-binding phosphoprotein 50) is an adaptor protein, which associates with beta-catenin and is required for its localization at the cell-cell junctions, interacts with various G protein-coupled receptors and regulates their traffic, as well as sodium-hydrogen exchange and sodium-dependent phosphate transport. NHERF1/EBP50 inhibits cell motility and is required to suppress anchorage-independent growth. It contains C-terminal ERM (ezrin, radixin, moesin)-binding region and two N-terminal PDZ (postsynaptic-density-95/disc-large/ZO1 homology) domains and is able to form head-to-tail intramolecular conformation to regulate its interactions.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Immunoprecipitation Western Blotting *Recommended dilution:* 2 Ã□Âµg/ml, 60 min on vertical incubator
Positive control:
RAJI human lymphoma cell lysate
Sample preparation: Resuspend approx. 50 mil. cells in 1 ml cold Lysis buffer (1% laurylmaltoside in 20 mM Tris/Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail). Incubate 60 min on ice. Centrifuge to remove cell debris. Mix lysate with non-reducing SDS-PAGE sample buffer.
Application note: Non-reducing conditions. 10% separating SDS-PAGE gel.
Immunohistochemistry *Recommended dilution:* 5 Ã□Âµg/ml