

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

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

### Description

NHERF1 (Na<sup>+</sup>/H<sup>+</sup> 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

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

### Application Note

**Immunoprecipitation Western Blotting** *Recommended dilution:* 2 Åµg/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 Åµg/ml