

For Research Use Only

EBP50/NHERF-1 Polyclonal antibody

Catalog Number: 29771-1-AP



Basic Information

Catalog Number: 29771-1-AP	GenBank Accession Number: NM_004252	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 9368	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF 1:200-1:800
Source: Rabbit	Full Name: solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1	
Isotype: IgG	Calculated MW: 39 kDa	
Immunogen Catalog Number: AG30878	Observed MW: 50 kDa	

Applications

Tested Applications:
FC, IF, IHC, WB, ELISA

Species Specificity:
Human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HCT 116 cells, HepG2 cells, MCF-7 cells, MDA-MB-231 cells, rat kidney tissue, mouse kidney tissue

IHC : human placenta tissue, rat kidney tissue

IF : HeLa cells,

Background Information

Na⁺/H⁺ exchanger regulatory factor 1 (NHERF-1, also known as EBP50 ezrin-binding protein of 50 kDa, SLCA9A3R1) is a phosphoprotein that assembles multiprotein complexes via two PDZ domains and a C-terminal ezrin-binding domain. NHERF-1 was initially recognized as a scaffolding protein that recruits membrane transporters/receptors and cytoplasmic signaling proteins into functional complexes localized at or near the plasma membrane in epithelial cells (PMID: 19308292).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

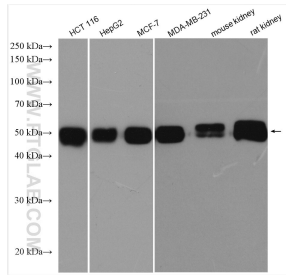
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

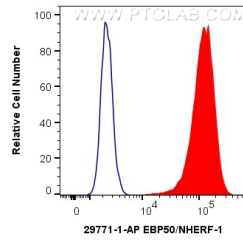
E: proteintech@ptglab.com
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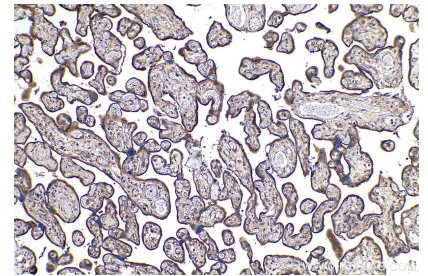
Selected Validation Data



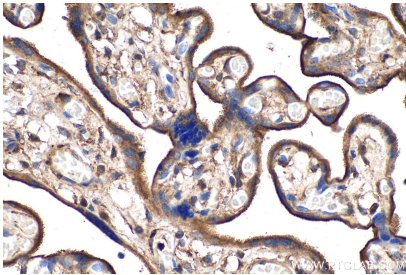
Various lysates were subjected to SDS PAGE followed by western blot with 29771-1-AP (EBP50/NHERF-1 antibody) at dilution of 1:10000 and incubated at room temperature for 1.5 hours.



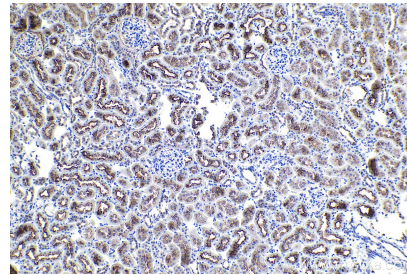
1×10^6 HepG2 cells were intracellularly stained with 0.4 μ g Anti-HUMAN EBP50/NHERF-1 (29771-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



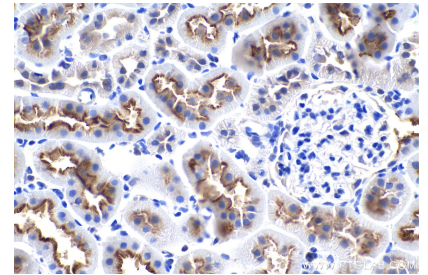
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 29771-1-AP (EBP50/NHERF-1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



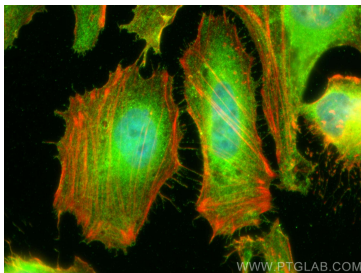
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 29771-1-AP (EBP50/NHERF-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 29771-1-AP (EBP50/NHERF-1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 29771-1-AP (EBP50/NHERF-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using EBP50/NHERF-1 antibody (29771-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).