EPN1 Antibody

Catalog No: #48395

Package Size: #48395-1 50ul #48395-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

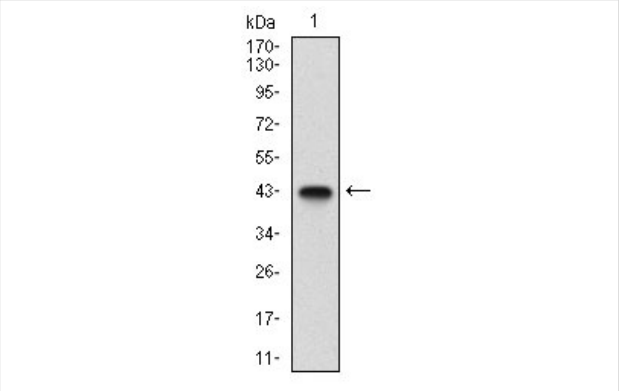
Description

Product Name	EPN1 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	F9-F7
Purification	ProA affinity purified
Applications	WB, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	EH domain binding mitotic phosphoprotein antibody EH domain-binding mitotic phosphoprotein antibody EPN 1 antibody Epn1 antibody EPN1_HUMAN antibody EPS 15 interacting protein 1 antibody EPS-15-interacting protein 1 antibody Epsin 1 antibody Epsin-1 antibody
Accession No.	Swiss-Prot#:Q9Y6I3
Uniprot	Q9Y6I3
GeneID	29924;
Calculated MW	60 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

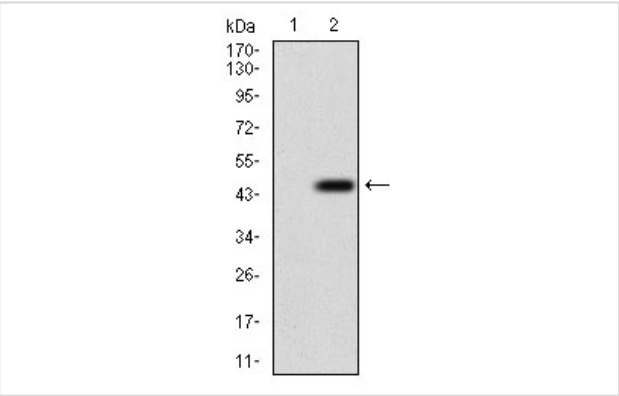
Application Details

WB: 1:500-1:2,000FC: 1:50-1:100

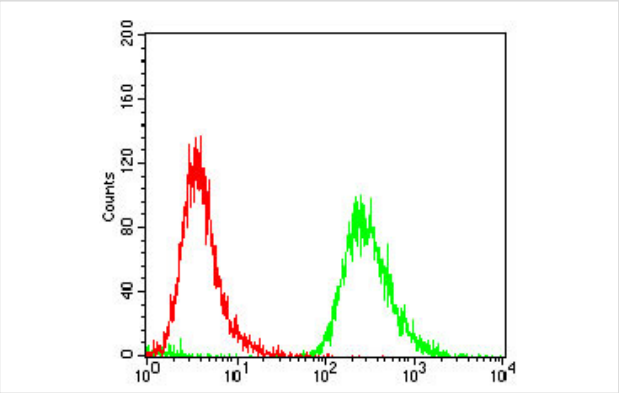
Images



Western blot analysis of EPN1 on human EPN1 recombinant protein using anti-EPN1 antibody at 1/1,000 dilution.



Western blot analysis of EPN1 on HEK293 (1) and EPN1-hIgGFc transfected HEK293 (2) cell lysate using anti-EPN1 antibody at 1/1,000 dilution.



Flow cytometric analysis of A431 cells with EPN1 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

Background

Epsin 1 (EPN1) is an endocytic accessory protein, with significant similarity to the Xenopus mitotic phosphoprotein MP90. Epsin 1 interacts with Eps15 (the α subunit of the Clathrin adaptor AP2), Clathrin and other accessory proteins. The mitotic phosphorylation of these proteins may be one of the mechanisms by which the invagination of Clathrin-coated pits is blocked in mitosis. Both epsin and Eps15, like other cytosolic components of the synaptic vesicle endocytic machinery, undergo constitutive phosphorylation and depolarization-dependent dephosphorylation in nerve terminals. Epsin 1 also contributes to the mechanism of Clathrin-vesicle-dependent endocytosis. The human Epsin 1 protein contains an epsin N-terminal homology (ENTH) region and a single Clathrin-binding (LVDLD) motif. Epsin 1 localizes to the leading edge of a vesicular coated pit where the membrane is being actively bent.

References

Note: This product is for in vitro research use only