
Product Name: Epsin 1 Rabbit Polyclonal Antibody**Catalog #: APRab10554**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:20000-1:40000
Molecular Weight	85kDa

Antigen Information

Gene Name	EPN1
Alternative Names	EPN1; Epsin-1; EH domain-binding mitotic phosphoprotein; EPS-15-interacting protein 1
Gene ID	29924.0
SwissProt ID	Q9Y6I3
Immunogen	Synthesized peptide derived from Epsin 1 . at AA range: 140-220

Background

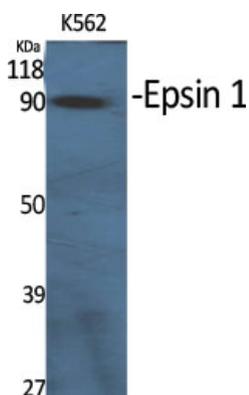
This gene encodes a member of the epsin protein family. The encoded protein binds clathrin and is involved in the endocytosis of clathrin-coated vesicles. Loss of function of this gene is associated with reduced tumor growth and progression in certain

cancer types. [provided by RefSeq, Mar 2016],domain:The DPW repeat domain is involved in AP2A2 and clathrin binding.,domain:The NPF repeat domain is involved in EPS15 binding.,function:Binds to membranes enriched in phosphatidylinositol-4,5-biphosphate (PtdIns(4,5)P2). Modifies membrane curvature and facilitates the formation of clathrin-coated invaginations (By similarity). Regulates receptor-mediated endocytosis.,online information:The bubble's bend -Issue 42 of January 2004,PTM:Phosphorylated on serine and/or threonine residues in mitotic cells. Phosphorylation reduces interaction with REPS2, AP-2 and the membrane fraction. Depolarization of synaptosomes results in dephosphorylation.,PTM:Ubiquitinated.,similarity:Belongs to the epsin family.,similarity:Contains 1 ENTH (epsin N-terminal homology) domain.,similarity:Contains 2 UIM (ubiquitin-interacting motif) repeats.,subcellular location:Associated with the cytoplasmic membrane at sites where clathrin-coated pits are forming. Colocalizes with clathrin and AP-2 in a punctate pattern on the plasma membrane. Detected in presynaptic nerve terminals and in Golgi stacks. May shuttle to the nucleus when associated with ZBTB16/ZNF145.,subunit:Monomer. Binds clathrin, ZBTB16/ZNF145 and ITSN1. Binds ubiquitinated proteins (By similarity). Binds REPS2, EPS15, AP2A1 and AP2A2. Interacts with RALBP1 in a complex also containing NUMB and TFAP2A during interphase and mitosis.,

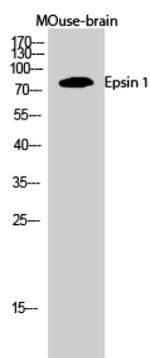
Research Area

Endocytosis;

Image Data



Western Blot analysis of various cells using Epsin 1 Polyclonal Antibody diluted at 1 : 1000



Western Blot analysis of MOuse-brain cells using Epsin 1 Polyclonal Antibody diluted at 1 : 1000