



Epsin 1 Polyclonal Antibody

Catalog No	BYab-03859
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	EPN1
Protein Name	Epsin-1
Immunogen	Synthesized peptide derived from Epsin 1 . at AA range: 140-220
Specificity	Epsin 1 Polyclonal Antibody detects endogenous levels of Epsin 1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EPN1; Epsin-1; EH domain-binding mitotic phosphoprotein; EPS-15-interacting protein 1
Observed Band	85kD
Cell Pathway	Cytoplasm . Cell membrane ; Peripheral membrane protein . Nucleus . Membrane, clathrin-coated pit . 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 (By similarity). .
Tissue Specificity	Brain,Epithelium,Mammary gland,
Function	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-bisphosphate (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

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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

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],

matters needing attention

Avoid repeated freezing and thawing!

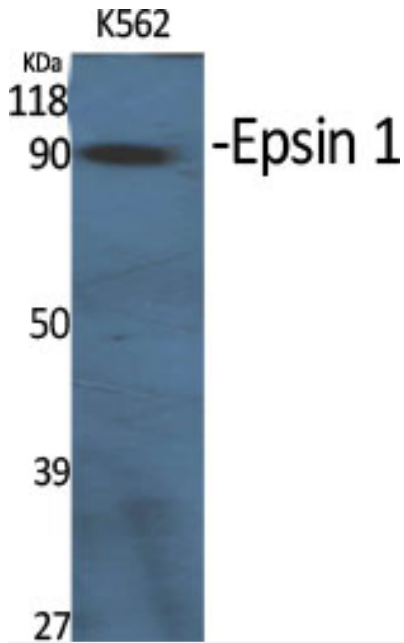
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

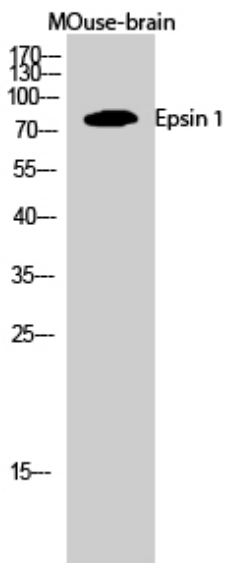
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Products Images



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

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