

EPN1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16238C**Specification**

EPN1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q9Y6I3
Other Accession	O88339 , Q80VP1 , NP_037465.2 , NP_001123544.1 , NP_001123543.1
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	60293
Antigen Region	203-232

EPN1 Antibody (Center) - Additional Information**Gene ID** 29924**Other Names**

Epsin-1, EH domain-binding mitotic phosphoprotein, EPS-15-interacting protein 1, EPN1

Target/Specificity

This EPN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 203-232 amino acids from the Central region of human EPN1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

EPN1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

EPN1 Antibody (Center) - Protein Information**Name** EPN1

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 (PubMed:[10393179](#), PubMed:[10557078](#)).

Cellular Location

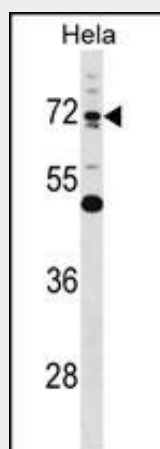
Cytoplasm. Cell membrane; Peripheral membrane protein. Nucleus. Membrane, clathrin-coated pit
Note=Associated with the cytoplasmic membrane at sites where clathrin- coated pits are forming. Colocalizes with clathrin and AP-2 in a punctate pattern on the plasma membrane. Detected in presynaptic nerve terminals and in Golgi stacks. May shuttle to the nucleus when associated with ZBTB16/ZNF145 (By similarity).

EPN1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EPN1 Antibody (Center) - Images



EPN1 Antibody (Center) (Cat. #AP16238c) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the EPN1 antibody detected the EPN1 protein (arrow).

EPN1 Antibody (Center) - Background

EPN1 is an endocytic accessory protein that interacts with EPS15 (MIM 600051), the alpha subunit of the clathrin adaptor AP2 (AP2A1; MIM 601026), and clathrin (see MIM 118960), as well as with other accessory proteins for the endocytosis of clathrin-coated vesicles.

EPN1 Antibody (Center) - References

Liu, Z., et al. J. Cell Biol. 186(4):473-480(2009) Kazazic, M., et al. Traffic 10(2):235-245(2009)
Olsen, J.V., et al. Cell 127(3):635-648(2006) Olsen, J.V., et al. Cell 127(3):635-648(2006) Schmid, E.M., et al. PLoS Biol. 4 (9), E262 (2006) :