

**EPN1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16238c****Specification**

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**EPN1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9Y6I3](#)**EPN1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 29924**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**EPN1 Antibody (Center) Blocking Peptide - Protein Information****Name** EPN1**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 (PubMed:<a href="http://www.uniprot.org/citations/10557078" target="\_blank">10557078</a>, PubMed:<a href="http://www.uniprot.org/citations/10393179" target="\_blank">10393179</a>).

**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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **EPN1 Antibody (Center) Blocking Peptide - Images**

#### **EPN1 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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) :