

Epsin2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2182a**Specification**

Epsin2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [O95208](#)

Epsin2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 22905

Other Names

Epsin-2, EPS-15-interacting protein 2, EPN2, KIAA1065

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2182a](/product/products/AP2182a) was selected from the N-term region of human Epsin2 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

Epsin2 Antibody (N-term) Blocking Peptide - Protein Information

Name EPN2

Synonyms KIAA1065

Function

Plays a role in the formation of clathrin-coated invaginations and endocytosis.

Cellular Location

Cytoplasm. Cytoplasmic vesicle, clathrin-coated vesicle. Note=In punctate structures throughout the cell, associated with clathrin-coated vesicles, and particularly concentrated in the region of the Golgi complex

Tissue Location

Highest expression is found in brain. Detected at lower levels in lung and liver.

Epsin2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Epsin2 Antibody (N-term) Blocking Peptide - Images

Epsin2 Antibody (N-term) Blocking Peptide - Background

Epsin2 plays a role in the formation of clathrin-coated invaginations and endocytosis. It binds to EPS15 (via the NPF repeat domain), as well as to AP-2 and clathrin (via the DPW repeat domain). The protein resides in the cytoplasm, in punctate structures throughout the cell, associated with clathrin-coated vesicles, and is particularly concentrated in the region of the Golgi complex. Highest expression is found in brain, with lower levels detected in lung and liver.

Epsin2 Antibody (N-term) Blocking Peptide - References

Ota, T., et al., Nat. Genet. 36(1):40-45 (2004). Kikuno, R., et al., DNA Res. 6(3):197-205 (1999). Rosenthal, J.A., et al., J. Biol. Chem. 274(48):33959-33965 (1999).