

# Epsin2 Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP2182a

# Specification

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

Primary Accession

<u>095208</u>

# 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 <a href=/product/products/AP2182a>AP2182a</a> 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).