

**EHD4 Antibody (Center) Blocking Peptide**  
Synthetic peptide  
Catalog # BP17399c**Specification**

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**EHD4 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9H223](#)**EHD4 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 30844

**Other Names**

EH domain-containing protein 4, Hepatocellular carcinoma-associated protein 10/11, PAST homolog 4, EHD4, HCA10, HCA11, PAST4

**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.

**EHD4 Antibody (Center) Blocking Peptide - Protein Information**Name EHD4 ([HGNC:3245](#))**Function**

ATP- and membrane-binding protein that probably controls membrane reorganization/tubulation upon ATP hydrolysis. Plays a role in early endosomal transport (PubMed:&lt;a href="http://www.uniprot.org/citations/17233914" target="\_blank"&gt;17233914&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/18331452" target="\_blank"&gt;18331452&lt;/a&gt;). During sprouting angiogenesis, in complex with PACSIN2 and MICALL1, forms recycling endosome-like tubular structure at asymmetric adherens junctions to control CDH5 trafficking (By similarity).

**Cellular Location**

Early endosome membrane; Peripheral membrane protein; Cytoplasmic side. Recycling endosome membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane {ECO:0000250|UniProtKB:Q9EQP2}; Peripheral membrane protein; Cytoplasmic side. Cell junction, adherens junction {ECO:0000250|UniProtKB:Q9EQP2}

**Tissue Location**

Highly expressed in pancreas and heart.

## **EHD4 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **EHD4 Antibody (Center) Blocking Peptide - Images**

## **EHD4 Antibody (Center) Blocking Peptide - Background**

EHD4 plays a role in early endosomal transport.

## **EHD4 Antibody (Center) Blocking Peptide - References**

Gudmundsson, H., et al. Circ. Res. 107(1):84-95(2010)Sharma, M., et al. Traffic 9(6):995-1018(2008)Olsen, J.V., et al. Cell 127(3):635-648(2006)Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005)Kuo, H.J., et al. J. Biol. Chem. 276(46):43103-43110(2001)