

**ENAH Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP19271b****Specification**

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**ENAH Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q8N8S7](#)

**ENAH Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 55740

**Other Names**

Protein enabled homolog, ENAH, MENA

**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.

**ENAH Antibody (C-term) Blocking Peptide - Protein Information**

**Name** ENAH

**Synonyms** MENA

**Function**

Ena/VASP proteins are actin-associated proteins involved in a range of processes dependent on cytoskeleton remodeling and cell polarity such as axon guidance and lamellipodial and filopodial dynamics in migrating cells. ENAH induces the formation of F-actin rich outgrowths in fibroblasts. Acts synergistically with BAIAP2-alpha and downstream of NTN1 to promote filipodia formation (By similarity).

**Cellular Location**

Cytoplasm. Cytoplasm, cytoskeleton. Cell projection, lamellipodium. Cell projection, filopodium. Synapse. Cell junction, focal adhesion. Note=Targeted to the leading edge of lamellipodia and filopodia by MRL family members. Colocalizes at filopodial tips with a number of other proteins including vinculin and zyxlin. Colocalizes with N-WASP at the leading edge. Colocalizes with GPHN and PFN at synapses (By similarity).

**Tissue Location**

Expressed in myoepithelia of parotid, breast, bronchial glands and sweat glands. Expressed in colon-rectum muscularis mucosae epithelium, pancreas acinar ductal epithelium, endometrium

epithelium, prostate fibromuscular stroma and placenta vascular media Overexpressed in a majority of breast cancer cell lines and primary breast tumor lesions.

### **ENAH Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **ENAH Antibody (C-term) Blocking Peptide - Images**

### **ENAH Antibody (C-term) Blocking Peptide - Background**

Ena/VASP proteins are actin-associated proteins involved in a range of processes dependent on cytoskeleton remodeling and cell polarity such as axon guidance and lamellipodial and filopodial dynamics in migrating cells. ENAH induces the formation of F-actin rich outgrowths in fibroblasts. Acts synergistically with BAIAP2-alpha and downstream of NTN1 to promote filipodia formation. Required for the actin-based mobility of *Listeria monocytogenes* (By similarity).

### **ENAH Antibody (C-term) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Chattopadhyay, I., et al. Mutat. Res. 696(2):130-138(2010)Hahn, W.H., et al. Exp. Mol. Med. 41(11):793-801(2009)Gurzu, S., et al. Rom J Morphol Embryol 50(2):213-216(2009)Higashi, M., et al. PLoS ONE 4 (3), E4765 (2009) :