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ENAH Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP19271b

Specification

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 muscolaris mucosae epithelium, pancreas acinar ductal epithelium, endometrium

epithelium, prostate fibromuscolar 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) :