

**ENAH Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19271B****Specification**

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

Application	WB,E
Primary Accession	<a href="#">Q8N8S7</a>
Other Accession	<a href="#">NP_060682.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	66510
Antigen Region	446-475

**ENAH Antibody (C-term) - Additional Information****Gene ID** 55740**Other Names**

Protein enabled homolog, ENAH, MENA

**Target/Specificity**

This ENAH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 446-475 amino acids from the C-terminal region of human ENAH.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ENAH Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ENAH Antibody (C-term) - 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

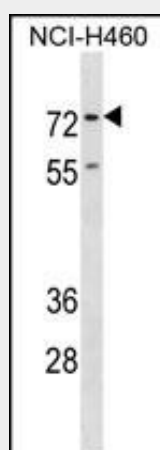
Expressed in myoepithelia of parotid, breast, bronchial glands and sweat glands. Expressed in colon-rectum muscularis mucosae epithelium, pancreas acinar ductal epithelium, endometrium epithelium, prostate fibromuscular stroma and placenta vascular media Overexpressed in a majority of breast cancer cell lines and primary breast tumor lesions.

#### ENAH Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### ENAH Antibody (C-term) - Images



ENAH Antibody (C-term)(Cat. #AP19271b) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the ENAH antibody detected the ENAH protein (arrow).

#### ENAH Antibody (C-term) - 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) - 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) :