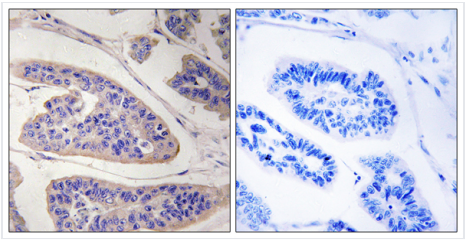
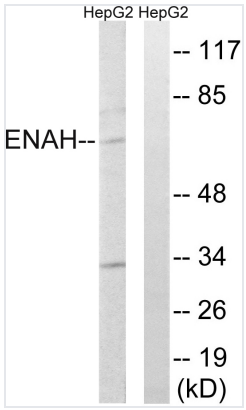
ENAH Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ENAH, Polyclonal Antibody
Full Product Name	ENAH Antibody
Product Gene Name	anti-ENAH antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	ENAH Antibody detects endogenous levels of total ENAH protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	66 kDa
OMIM	AY345143 mRNA
3D Structure	ModBase 3D Structure for Q8N8S7
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human ENAH.
Immunogen Range	472-521
Applications Tested/Suitable for anti-ENAH antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-ENAH antibody	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:10000
Related Product Information for anti-ENAH antibody	MBS9506739 is an antibody targeting ENAH. Also known as ENAH Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-ENAH antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-ENAH antibody
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using ENAH Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot (WB) of anti-ENAH antibody
Western blot analysis of lysates from HepG2 cells, using ENAH Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ENAH. It may not necessarily be applicable to this product.

NCBI GI #	56549694
NCBI GeneID	55740
NCBI Accession #	NP_001008493.1
UniProt Primary Accession #	Q8N8S7
UniProt Secondary Accession #	Q502W5; Q5T5M7; Q5VTQ9; Q5VTR0; Q9NVF3; Q9UFB8; D0PQI2
UniProt Related Accession #	Q8N8S7
GenBank Nucleotide #	NM_001008493.2
NCBI Official Full Name	protein enabled homolog isoform a
NCBI Official Synonym Full Names	ENAH, actin regulator
NCBI Official Symbol	ENAH
NCBI Official Synonym Symbols	ENA; MENA; NDPP1
UniProt Protein Name	Protein enabled homolog
Protein Family	Protein enabled
UniProt Gene Name	ENAH
UniProt Synonym Gene Names	MENA
NCBI Protein Information	protein enabled homolog
NCBI Summary for ENAH	This gene encodes a member of the enabled/ vasodilator-stimulated phosphoprotein. Members of this gene family are involved in actin-based motility. This protein is involved in regulating the assembly of actin filaments and modulates cell adhesion and motility. Alternate splice variants of this gene have been correlated with tumor invasiveness in certain tissues and these variants may serve as prognostic markers. A pseudogene of this gene is found on chromosome 3. [provided by RefSeq, Sep 2016]
UniProt Comments for ENAH	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 ().
Research Articles on ENAH	**1.** SHIP2 recruits Mena to invadopodia and disruption of SHIP2-Mena interaction in cancer cells leads to attenuated capacity for ECM degradation and invasion in vitro, as well as reduced metastasis in vivo.

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