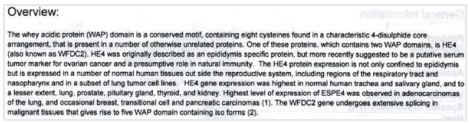
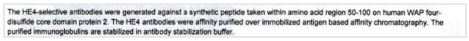
HE4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

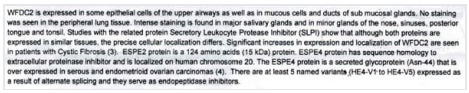
Product Name	HE4, Polyclonal Antibody
Full Product Name	HE4 Antibody Affinity Purified
Product Gene Name	anti-HE4 antibody
Product Synonym Names	EDDM4; epididymal protein 4; Epididymal secretory protein E4; Epididymis specific whey acidic protein type four disulfide core; HE 4; Major epididymis specific protein E4; Putative protease inhibitor WAP5; WAP domain containing protein HE4; WAP four disulfide core domain 2; WAP5; WFDC2 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Affinity Purified Immunoglobins
Purity/Purification	Immobilized antigen affinity chromatagrophy
Concentration	0.75 mg/ml IgG in antibody stabilization buffer (lot specific)
Preparation and Storage	Store -20°C for long term storage
Matching Pairs	Antibody: HE4 (MBS540186) Positive Control: HE4 (MBS542751)
3D Structure	ModBase 3D Structure for Q14508
Immunogen	Synthetic peptide taken within amino acid region 50-100 on human WAP four-disulfide core domain protein 2.
Expression	male reproductive system; regions of the respiratory tract; nasopharynx; number of tumors cells lines, such ovarian, colon, breast, lung and renal cells lines.Initially described as being exclusively transcribed in the epididymis
Determinant	N-epitope
Molecular Function	Aspartic protease inhibitor, Protease inhibitor, Serine protease inhibitor, Thiol protease inhibitor
Structure	Homotrimer; disulfide-linked
Subcellular Location	Extracellular space; Extracellular vesicular exosome; Secreted
Product Categories/Family for anti-HE4 antibody	Primary Antibodies; Cell Biology; Tags and Cell Markers; HE4 Antibody
Applications Tested/Suitable for anti-HE4 antibody	Western Blot (WB), ELISA (EIA), IMM
Application Notes for anti-HE4 antibody	ELISA: 1:20,000 Dot Blot: 1:20,000 Western Blot: 1:500-1:750 Immunoprecipitation: 1:200
Related Product Information for anti-HE4 antibody	MBS540186 is an antibody targeting HE4. Also known as HE4 Antibody Affinity Purified. Reactive in Human. Host: Rabbit. Affinity Purified WAP domain containing protein HE4-V3 Antibody N-epitope
Other Notes	Small volumes of anti-HE4 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.



Testing Data (TD) of anti-HE4 antibody



Testing Data (TD) of anti-HE4 antibody



Testing Data (TD) of anti-HE4 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HE4. It may not necessarily be applicable to this product.

NCBI GI #	56699495
NCBI GeneID	10406
NCBI Accession #	NP_006094.3
UniProt Primary Accession #	Q14508
UniProt Secondary Accession #	Q6IB27; Q8WXV9; Q8WXW0; Q8WXW1; Q8WXW2; Q96KJ1; A2A2A5; A2A2A6; A6PVD5
UniProt Related Accession #	Q14508
GenBank Nucleotide #	NM_006103.3
NCBI Official Full Name	WAP four-disulfide core domain protein 2
NCBI Official Synonym Full Names	WAP four-disulfide core domain 2
NCBI Official Symbol	WFDC2
NCBI Official Synonym Symbols	HE4; WAP5; EDDM4; dJ461P17.6
UniProt Protein Name	WAP four-disulfide core domain protein 2
UniProt Synonym Protein Names	Epididymal secretory protein E4; Major epididymis-specific protein E4; Putative protease inhibitor WAP5
UniProt Gene Name	WFDC2
UniProt Synonym Gene Names	HE4; WAP5
UniProt Entry Name	WFDC2_HUMAN
NCBI Protein Information	WAP four-disulfide core domain protein 2
NCBI Summary for HE4	This gene encodes a protein that is a member of the WFDC domain family. The WFDC domain, or WAP Signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor in many family members. This gene is expressed in pulmonary epithelial cells, and was also found to be expressed in some ovarian cancers. The encoded protein is a small secretory protein, which may be involved in sperm maturation. [provided by RefSeq, Jul 2008]

UniProt Comments for HE4	WFDC2: a protein that is a member of the WFDC domain family. The WFDC domain, or WAP Signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor in many family members. This gene is expressed in pulmonary epithelial cells, and was also found to be expressed in some ovarian cancers. The encoded protein is a small secretory protein, which may be involved in sperm maturation. [provided by RefSeq, Jul 2008] Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 20q13.12 Cellular Component: extracellular space Molecular Function: aspartic-type endopeptidase inhibitor activity; cysteine protease inhibitor activity; endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity Biological Process: proteolysis; spermatogenesis
Research Articles on HE4	**1.** In this report, we describe our use of capillary electrophoresis (CE) as the separation mechanism in the process of selecting DNA aptamers with affinity for the ovarian cancer biomarker HE4.
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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/he4/540186