

Anti-HE4 Picoband Antibody
Catalog # ABO12648**Specification**

Anti-HE4 Picoband Antibody - Product Information

Application	WB
Primary Accession	Q14508
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for WAP four-disulfide core domain protein 2(WFDC2) detection. Tested with WB, ELISA in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-HE4 Picoband Antibody - Additional Information

Gene ID 10406

Other Names

WAP four-disulfide core domain protein 2, Epididymal secretory protein E4, Major epididymis-specific protein E4, Putative protease inhibitor WAP5, WFDC2, HE4, WAP5

Calculated MW

12993 MW KDa

Application Details

ELISA , 0.1-0.5 µg/ml, Human, -
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Secreted .

Tissue Specificity

Expressed in a number of normal tissues, including male reproductive system, regions of the respiratory tract and nasopharynx. Highly expressed in a number of tumors cells lines, such ovarian, colon, breast, lung and renal cells lines. Initially described as being exclusively transcribed in the epididymis. .

Protein Name

WAP four-disulfide core domain protein 2

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen

E. coli-derived human HE4 recombinant protein (Position: E31-F124). Human HE4 shares 40.4%

and 68% amino acid (aa) sequence identity with mouse and rat HE4, respectively.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-HE4 Picoband Antibody - Protein Information

Name WFDC2

Synonyms HE4, WAP5

Function

Broad range protease inhibitor.

Cellular Location

Secreted

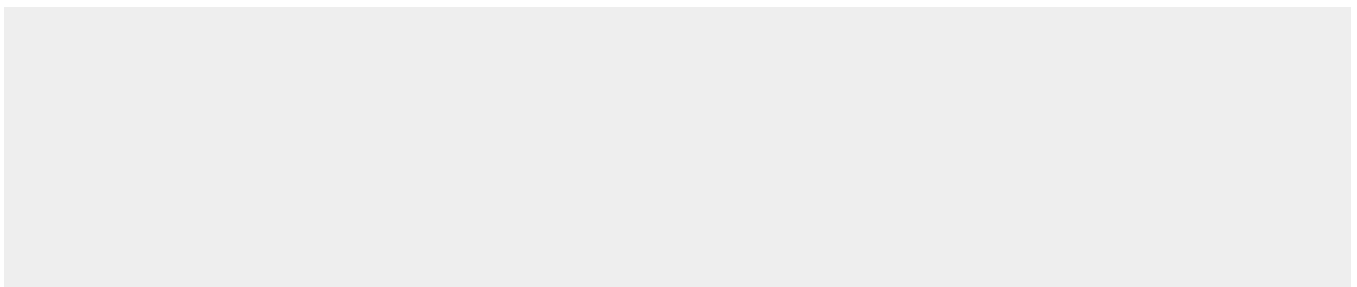
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Anti-HE4 Picoband Antibody - Protocols

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](#)

Anti-HE4 Picoband Antibody - Images



Western blot analysis of HE4 expression in 22RV1 whole cell lysates (lane 1). HE4 at 25KD was detected using rabbit anti- HE4 Antigen Affinity purified polyclonal antibody (Catalog # ABO12648) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-HE4 Picoband Antibody - Background

WAP four-disulfide core domain protein 2, also known as Human Epididymis Protein 4 (HE4), is a protein that in humans is encoded by the WFDC2 gene. 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.