

HE4 Antibody / WFDC2 (R32389)

Catalog No.	Formulation	Size
R32389	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q14508
Localization	Cytoplasmic, secreted
Applications	Western Blot : 0.1-0.5ug/ml ELISA : 0.1-0.5ug/ml (human protein tested); request BSA-free format for coating
Limitations	This HE4 antibody is available for research use only.



Western blot testing of human 22RV1 cell lysate with HE4 antibody. Expected molecular weight: 13-25 kDa, depending on glycosylation level.

Description

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.

Application Notes

Optimal dilution of the HE4 antibody should be determined by the researcher.

Immunogen

Amino acids E31-F124 from the human protein were used as the immunogen for the HE4 antibody.

Storage

After reconstitution, the HE4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.