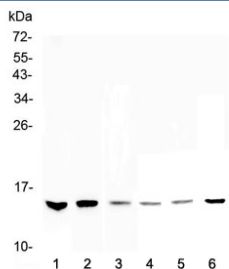


HE4 Antibody / WFDC2 (RQ4465)

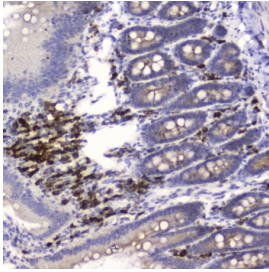
Catalog No.	Formulation	Size
RQ4465	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

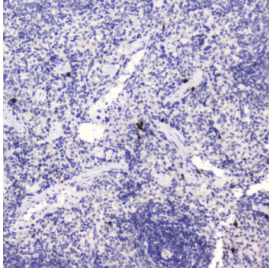
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q14508
Localization	Secreted, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml (human recombinant protein)
Limitations	This HE4 antibody is available for research use only.



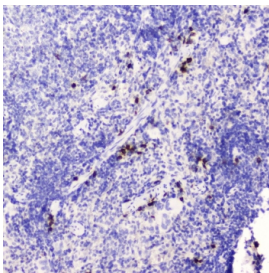
Western blot testing of 1) human HeLa, 2) human MDA-MB-231, 3) human MDA-MB-451, 4) rat thymus, 5) mouse testis and 6) mouse thymus lysate with HE4 antibody at 0.5ug/ml. Predicted molecular weight: 13-25 depending on glycosylation level.



IHC testing of FFPE rat small intestine tissue with HE4 antibody at 0.5ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE rat spleen tissue with HE4 antibody at 0.5ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE mouse spleen tissue with HE4 antibody at 0.5ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

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

Human recombinant protein (amino acids E31-F124) was 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.

