

Rabbit anti-Human HE4 Monoclonal Antibody | anti-WFDC2 antibody

Recombinant Anti-HE4 Antibody, Rabbit Monoclonal

CATALOG # AAA255597	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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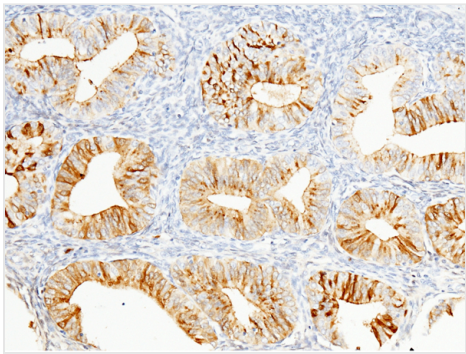
PRODUCT SYNONYMS

HE4; Monoclonal Antibody; Recombinant Anti-HE4 Antibody; Rabbit Monoclonal; WAP5/WFDC2/HE4 Antibody; Rabbit MAb; WAP four-disulfide core domain 2; Anti-dJ461P17.6 Antibody; Anti-EDDM4 Antibody; Anti-HE4 Antibody; Anti-WAP5 Antibody; anti-WFDC2 antibody

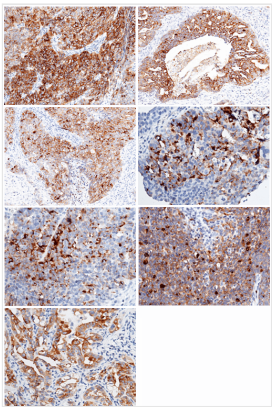
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	404
Specificity	Human WFDC2/HE4. No cross-reactivity in ELISA with Rat WFDC2
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-WFDC2 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human WFDC2/HE4 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human WFDC2/HE4 (rh WFDC2/HE4).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human WFDC2 in human endometrium with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to the epithelium of uterine gland.



IHC (Immunohistochemistry)
Immunochemical staining of human WFDC2 in human ovarian cancer (from 7 donors) with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to the malignant cell.

ADDITIONAL INFORMATION

Related Product Information for anti-WFDC2 antibody	WAP four-disulfide core domain protein 2, also known as Epididymal secretory protein E4, Major epididymis-specific protein E4, Putative protease inhibitor WAP5, WFDC2 and HE4, is a secreted protein that contains two WAP domains. WFDC2/HE4 is a member of a family of stable 4-disulfide core proteins that are secreted at high levels. It is expressed in a number of normal tissues, including male reproductive system, regions of the respiratory tract and nasopharynx. It is 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. WFDC2 may be a component of the innate immune defences of the lung, nasal and oral cavities and suggest that WFDC2 functions in concert with related WAP domain containing proteins in epithelial host defence. WFDC2 re-expression in lung carcinomas may prove to be associated with tumour type and should be studied in further detail. Mammary gland expression of tammar WFDC2 during the course of lactation showed WFDC2 was elevated during pregnancy, reduced in early lactation and absent in mid-late lactation. WFDC2/HE4 can undergo a complex series of alternative splicing events that can potentially yield five distinct WAP domain containing protein isoforms.
Product Categories/Family for anti-WFDC2 antibody	Serine Proteases and Regulators
References	Bingle, L. et al., 2002, Oncogene. 21 (17):2768-73. Hellstrom, I. et al., 2003, Cancer Res. 63 (13):3695-700. Bingle, L. et al., 2006, Respir Res. 7 : 61. Galgano, M.T. et al., 2006, Mod Pathol.19 (6):847-53. Sharp, J.A. et al., 2007, Evol Dev. 9 (4): 378-92.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56699495
NCBI Accession #	NP_006094.3
NCBI GenBank Nucleotide #	NP_006094.3
UniProt Accession #	Q14508
NCBI Official Full Name	WAP four-disulfide core domain protein 2
UniProt Protein Name	WAP four-disulfide core domain protein 2
UniProt Gene Name	WFDC2
UniProt Synonym Gene Names	HE4; WAP5
UniProt Entry Name	WFDC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/he4-antibody-clone-404-immunohistochemistry-elisa/255597>