

## Rabbit anti-Human, Mouse HE4 Monoclonal Antibody | anti-HE4 antibody

HE4 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                                                                                       |
|-----------|--------|--------------|------------------------------------------------------------------------------------------------------------------------------------|
| AAA312421 | Rabbit | Human, Mouse | Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Western Blot |

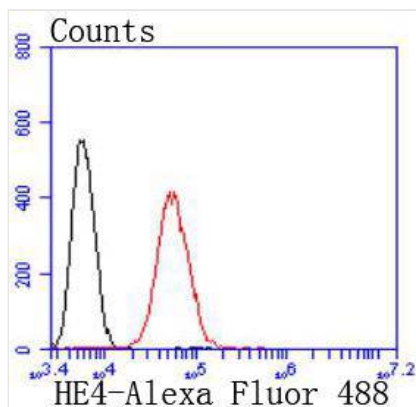
### PRODUCT SYNONYMS

HE4; Monoclonal Antibody; HE4 Antibody; dJ461P17.6 antibody; EDDM4 antibody; epididymal protein 4 antibody; Epididymal secretory protein E4 antibody; Epididymis specific whey acidic protein type four disulfide core antibody; HE 4 antibody; Major epididymis specific protein E4 antibody; Major epididymis-specific protein E4 antibody; MGC57529 antibody; Putative protease inhibitor WAP5 antibody; WAP 5 antibody; WAP domain containing protein HE4 antibody; WAP domain containing protein HE4 V4 antibody; WAP four disulfide core domain 2 antibody; WAP four disulfide core domain protein 2 antibody; WAP four-disulfide core domain protein 2 antibody; WAP5 antibody; WFDC 2 antibody; WFDC2 antibody; WFDC2\_HUMAN antibody; anti-HE4 antibody

### PRODUCT SPECIFICATIONS

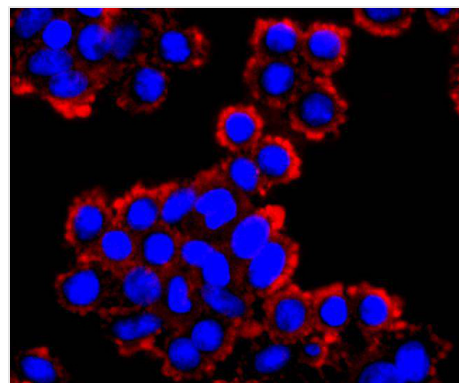
|                                               |                                                                                                                                                        |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                 |
| Reactivity                                    | Human, Mouse                                                                                                                                           |
| Clonality                                     | Monoclonal                                                                                                                                             |
| Clone Number                                  | JF62-09                                                                                                                                                |
| Purity/Purification                           | ProA affinity purified                                                                                                                                 |
| Form/Format                                   | 1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.                                                                                 |
| Applicable Applications for anti-HE4 antibody | FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot) |
| Antibody Type                                 | Recombinant Antibody                                                                                                                                   |
| Immunogen                                     | Recombinant protein                                                                                                                                    |
| Conjugation                                   | Unconjugated                                                                                                                                           |
| Preparation and Storage                       | Store at -20 degree C.                                                                                                                                 |

### IMAGES



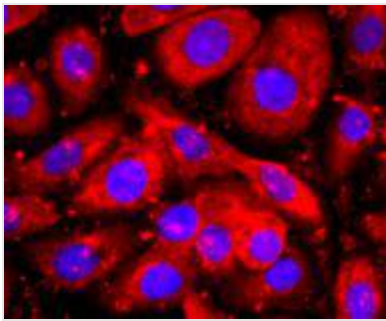
#### FCM/FACS (Flow Cytometry)

Flow cytometric analysis of SW480 cells with HE4 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



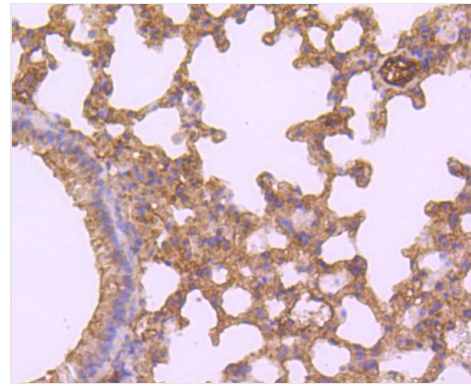
#### ICC (Immunocytochemistry)

ICC staining HE4 in SW480 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



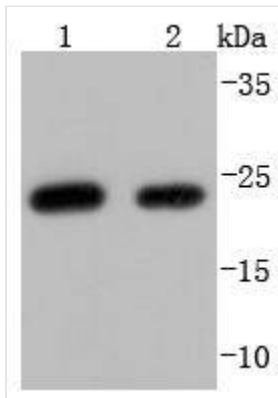
#### ICC (Immunocytochemistry)

ICC staining HE4 in SKOV-3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-HE4 antibody. Counter stained with hematoxylin.



#### WB (Western Blot)

Western blot analysis of HE4 on different lysates using anti-HE4 antibody at 1/1, 000 dilution.

Positive control: Lane 1: SW480 Lane 2: SKOV-3

## ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-HE4 antibody</b> | HE4 (whey acidic protein (WAP)-type four-disulfide core-2, WFDC2) is a small secretory protein that may influence sperm maturation. HE4 gene expression is high in pulmonary epithelial cells and in some ovarian cancers. HE4 protein has a WAP motif that contains eight cysteines forming four disulfide bonds at the core of the protein. The WAP motif functions as a protease inhibitor in many of the family members that contain them. |
| <b>Product Categories/Family for anti-HE4 antibody</b>   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                               |

## NCBI AND UNIPROT INFORMATION

|                                   |                                          |
|-----------------------------------|------------------------------------------|
| <b>NCBI GI #</b>                  | 56699495                                 |
| <b>NCBI Accession #</b>           | NP_006094.3                              |
| <b>NCBI GenBank Nucleotide #</b>  | NP_006094.3                              |
| <b>UniProt Accession #</b>        | Q14508                                   |
| <b>NCBI Official Full Name</b>    | WAP four-disulfide core domain protein 2 |
| <b>UniProt Protein Name</b>       | WAP four-disulfide core domain protein 2 |
| <b>UniProt Gene Name</b>          | WFDC2                                    |
| <b>UniProt Synonym Gene Names</b> | HE4; WAP5                                |
| <b>UniProt Entry Name</b>         | 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-jf62-09-flow-cytometry-immunoprecipitation-immunohistochemistry-immunofluorescence-immunocytochemistry-western-blot-elisa/312421>