

Datasheet for ABIN6654136  
**anti-WFDC2 antibody (AA 31-124)**[Go to Product page](#)

## 3 Images

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µg  |
| Target:              | WFDC2   |
| Binding Specificity: | AA 31-124   |
| Reactivity:          | Human, Rat, Mouse   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This WFDC2 antibody is un-conjugated  |
| Application:         | ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|               |  |
|---------------|--|
| Immunogen:    | Human recombinant protein (amino acids E31-F124) was used as the immunogen for the HE4 antibody. |
| Isotype:      | IgG  |
| Purification: | Antigen affinity purified  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | WFDC2   |
| Alternative Name: | WFDC2 / HE4 ( <a href="#">WFDC2 Products</a> )  |
| 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 |

## Target Details

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.

UniProt: [Q14508](#)

## Application Details

Application Notes: Optimal dilution of the HE4 antibody should be determined by the researcher.\. Western blot: 0.5-1 µg/mL, Immunohistochemistry (FFPE): 1-2 µg/mL, Direct ELISA: 0.1-0.5 µg/mL (human recombinant protein)

Restrictions: For Research Use only

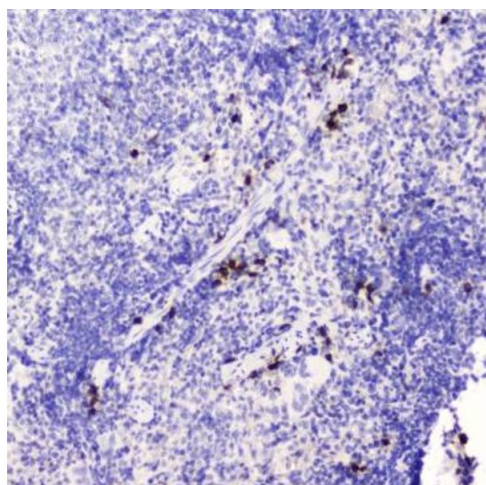
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

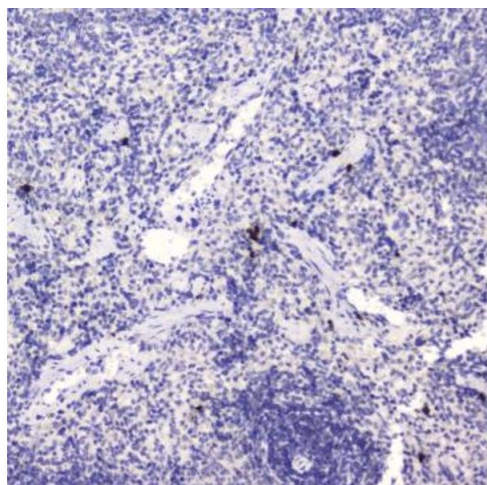
Storage Comment: After reconstitution, the HE4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



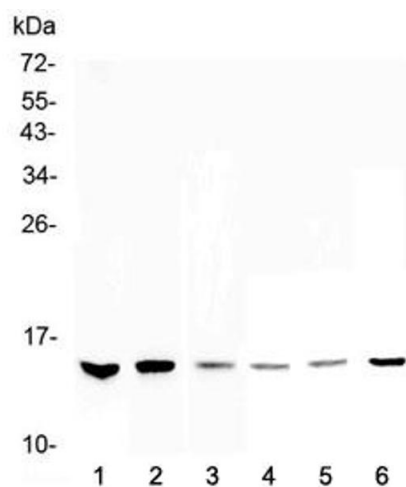
### Immunohistochemistry

**Image 1.** IHC testing of FFPE mouse spleen tissue with HE4 antibody at 0.5µg/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



#### Immunohistochemistry

**Image 2.** 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.



#### Western Blotting

**Image 3.** 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.