

# HE4 Monoclonal antibody

Catalog Number: 66557-1-Ig

## Basic Information

<b>Catalog Number:</b> 66557-1-Ig	<b>GenBank Accession Number:</b> BC046106	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1500 µg/ml	<b>GeneID (NCBI):</b> 10406	<b>CloneNo.:</b> 5B2D9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q14508	<b>Recommended Dilutions:</b> IHC 1:1000-1:5000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Full Name:</b> WAP four-disulfide core domain 2	
<b>Immunogen Catalog Number:</b> AG5936	<b>Calculated MW:</b> 13 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>IHC :</b> human ovary tumor tissue, <b>IF/ICC :</b> SKOV-3 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

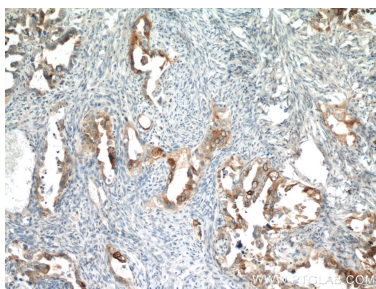
## Background Information

WFDC2, also named as HE4, 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. HE4 is expressed in a number of normal tissues, and it is also highly expressed in a number of tumors cells lines, such ovarian, colon, breast, lung and renal cells lines. In some study, HE4 was referred to as a biomarker for ovarian carcinoma.

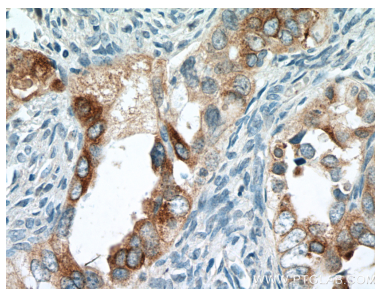
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

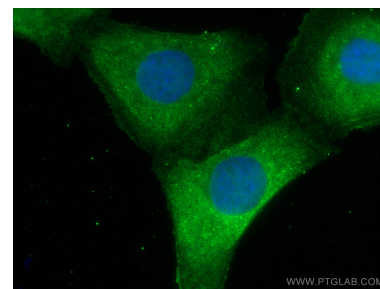
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66557-1-Ig (HE4 antibody) at dilution of 1:5000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66557-1-Ig (HE4 antibody) at dilution of 1:5000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunofluorescent analysis of (4% PFA) fixed SKOV-3 cells using HE4 antibody (66557-1-Ig, Clone: 5B2D9 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).