

HE4 Monoclonal antibody

Catalog Number: 66557-1-Ig

Basic Information

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

Applications

Tested Applications: IF/ICC, IHC, ELISA	Positive Controls:
Species Specificity: Human	IHC : human ovary tumor tissue, IF : 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

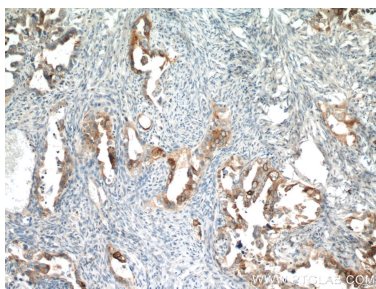
Background Information

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 as ovarian, colon, breast, lung and renal cells lines. In some study, HE4 was referred to as a biomarker for ovarian carcinoma.

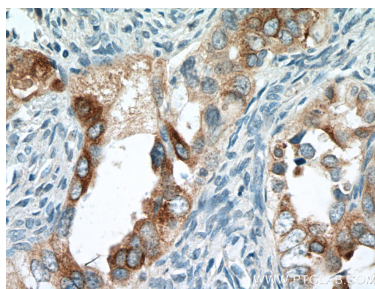
Storage

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

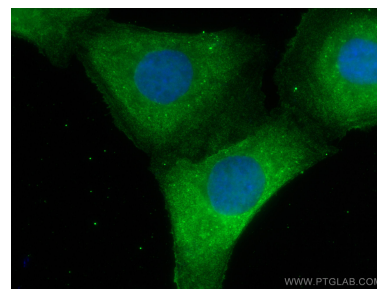
Selected Validation Data



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).