

For Research Use Only

# MUC16/CA125 Polyclonal antibody

Catalog Number: 20077-1-AP

Featured Product

8 Publications



## Basic Information

### Catalog Number:

20077-1-AP

### Concentration:

900 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_024690

### GeneID (NCBI):

94025

### UNIPROT ID:

Q8WXI7

### Full Name:

mucin 16, cell surface associated

### Calculated MW:

1519 kDa

### Observed MW:

90-100 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:1000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human

### Cited Species:

human

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

### Positive Controls:

WB : HeLa cells,

IP : HeLa cells,

IHC : human ovary tumor tissue,

## Background Information

MUC16, also named as CA125, is thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. It is a serum marker that is used routinely in gynecologic practice to monitor patients with ovarian cancer. Most biochemical studies have concluded that MUC16 is a high molecular mass glycoprotein, although estimates of its size range from 200 to 2000 kDa with smaller "subunits" being described by some investigators. The antibody recognizes the C-term of MUC16.

## Notable Publications

Author	Pubmed ID	Journal	Application
Huijin Zhao	30389134	Biochem Biophys Res Commun	WB
Kexin Shi	35247514	Toxicology	WB
Tomoaki Furuta	34115906	Cancer Sci	IHC

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

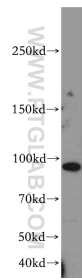
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

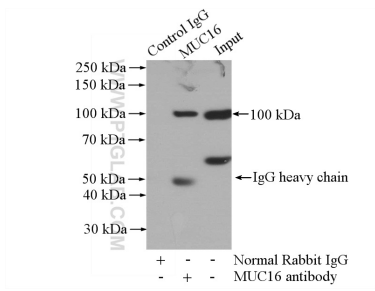
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

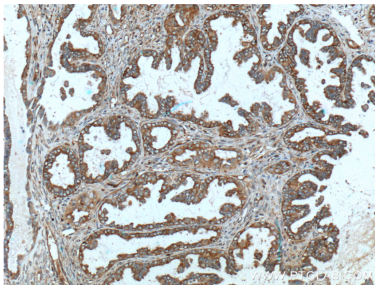
Selected Validation Data



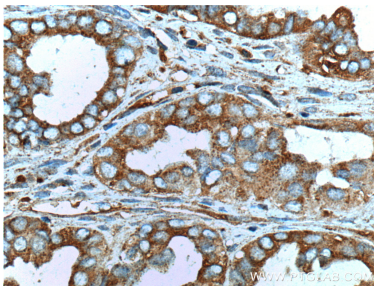
HeLa cells were subjected to SDS PAGE followed by western blot with 20077-1-AP (MUC16,CA125 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-MUC16,CA125 (IP:20077-1-AP, 4ug; Detection:20077-1-AP 1:600) with HeLa cells lysate 1200ug.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 20077-1-AP (MUC16,CA125 Antibody) at dilution of 1:200 (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 20077-1-AP (MUC16,CA125 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).