

For Research Use Only

MUC16/CA125 Polyclonal antibody

Catalog Number: 20077-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

20077-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 413 ug/ml by Bradford method using BSA as the standard;

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

Positive Controls:

WB : HeLa cells,

IP : HeLa cells,

IHC : human ovary tumor tissue,

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

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

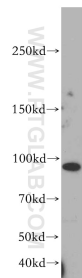
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

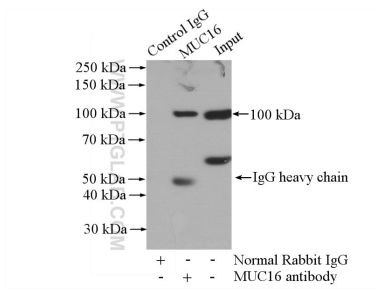
E: proteintech@ptglab.com
W: ptglab.com

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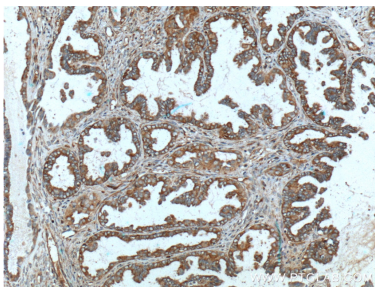
Selected Validation Data



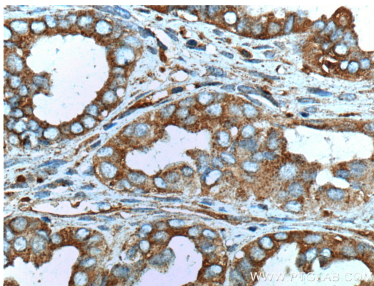
HeLa cells were subjected to SDS PAGE followed by western blot with 20077-1-AP (MUC16,CA125 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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).