MUC16, CA125
Polyclonal ANTIBODY

Catalog Number: 20077-1-AP

Basic Information

- **Catalog Number:** 20077-1-AP
- **Size:** 150 μL, 230 μg/ml
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **GenBank Accession Number:** NM_024690
- **GeneID (NCBI):** 94025
- **Full Name:** mucin 16, cell surface associated
- **Calculated MW:** 1519 kDa
- **Observed MW:** 90-100 kDa
- **Recommended Dilutions:**
  - WB: 1:500-1:1000
  - IP: 0.5-4.0 μg for IP and 1:500-1:1000 for WB
  - IHC: 1:50-1:500

Applications

- **Tested Applications:** IHC, IP, WB, ELISA
- **Cited Applications:** WB
- **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

MUC16, also known 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-terminus of MUC16.

Notable Publications

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<th>Author</th>
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<tr>
<td>Huijin Zhao</td>
<td>30389134</td>
<td>Biochem Biophys Res Commun</td>
<td>WB</td>
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<tr>
<td>Chen Liu</td>
<td>32319567</td>
<td>Int J Oncol</td>
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Storage

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

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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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 retrieved with Tris-EDTA buffer (pH 9).