

## Product datasheet

# Anti-MUC16 antibody ab133419

[3 References](#) [2 Images](#)

### Overview

---

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-MUC16 antibody   |
| <b>Description</b>         | Rabbit polyclonal to MUC16  |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> IHC-P, ICC/IF  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human   |
| <b>Immunogen</b>           | Synthetic peptide from internal sequence amino acids of Human MUC16.  |
| <b>Positive control</b>    | Human uterus, endometrium tissue; HepG2 cells.  |
| <b>General notes</b>       | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p> |

### Properties

---

|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.                           |
| <b>Storage buffer</b>       | pH: 7.40<br>Preservative: 0.02% Sodium azide<br>Constituents: 49% PBS, 0.88% Sodium chloride, 50% Glycerol (glycerin, glycerine) |
| <b>Purity</b>               | PBS (without Mg <sup>2+</sup> , Ca <sup>2+</sup> )   |
| <b>Clonality</b>            | Immunogen affinity purified  |
| <b>Clonality</b>            | Polyclonal   |
| <b>Isotype</b>              | IgG  |

### Applications

---

**The Abpromise guarantee**

Our **Abpromise guarantee** covers the use of ab133419 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes   |
|-------------|-----------|---|
| IHC-P       |           | Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |
| ICC/IF      |           | 1/100 - 1/500.  |

---

**Target****Function**

Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces.

**Tissue specificity**

Expressed in corneal and conjunctival epithelia (at protein level). Overexpressed in ovarian carcinomas and ovarian low malignant potential (LMP) tumors as compared to the expression in normal ovarian tissue and ovarian adenomas.

**Sequence similarities**

Contains 2 ANK repeats.  
Contains 56 SEA domains.

**Domain**

Composed of three domains, a Ser-, Thr-rich N-terminal domain, a repeated domain containing more than 60 partially conserved tandem repeats of 156 amino acids each (AAs 12061-21862) and a C-terminal transmembrane contain domain with a short cytoplasmic tail.

**Post-translational modifications**

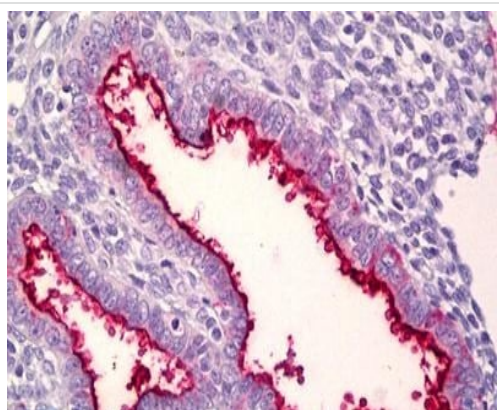
Heavily O-glycosylated; expresses both type 1 and type 2 core glycans.  
Heavily N-glycosylated; expresses primarily high mannose and complex bisecting type N-linked glycans.  
May be phosphorylated. Phosphorylation of the intracellular C-terminal domain may induce proteolytic cleavage and the liberation of the extracellular domain into the extracellular space.  
May contain numerous disulfide bridges. Association of several molecules of the secreted form may occur through interchain disulfide bridges providing an extraordinarily large gel-like matrix in the extracellular space or in the lumen of secretory ducts.

**Cellular localization**

Cell membrane. Secreted > extracellular space. May be liberated into the extracellular space following the phosphorylation of the intracellular C-terminus which induces the proteolytic cleavage and liberation of the extracellular domain.

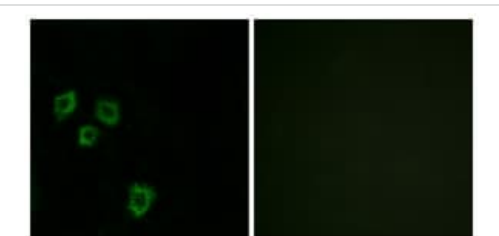
---

**Images**



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC16 antibody (ab133419)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human uterus, endometrium tissue labelling MUC16 with ab133419 antibody at 5µg/ml, followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunocytochemistry/ Immunofluorescence - Anti-MUC16 antibody (ab133419)

Immunofluorescent analysis of HepG2 cells labelling MUC16 with ab133419 at 1/100 dilution. The image on the right is treated with the synthesized peptide.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### **Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors