

Anti-Mucin-16/MUC16 Antibody (80689)

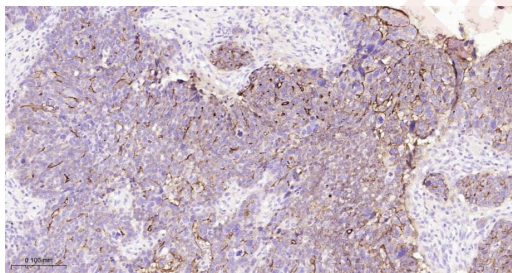
Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 200 kDa. Actual: >180 kDa.
Clone:	80689
Purification:	Protein A purified

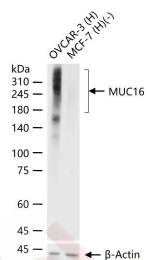
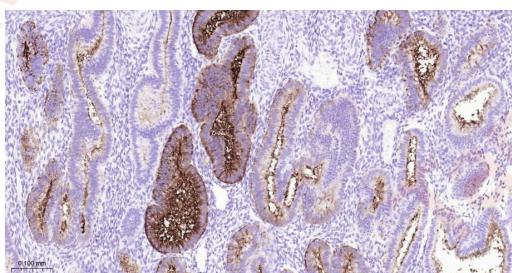
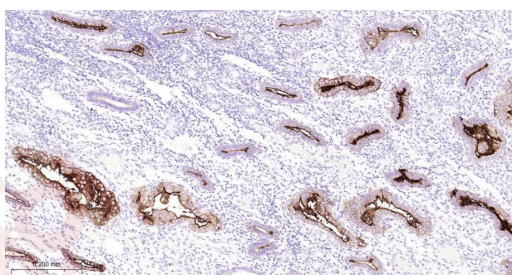
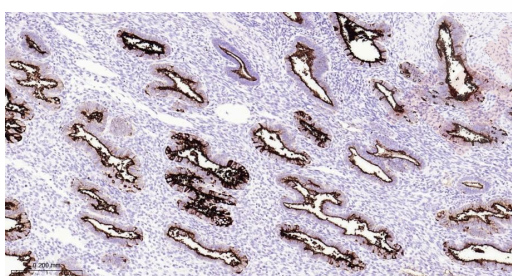
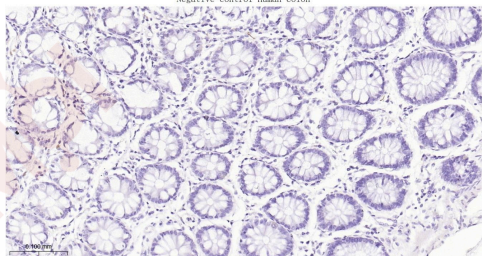
Applications

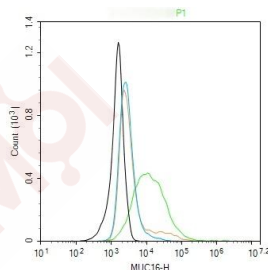
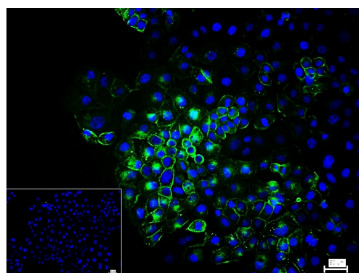
1. Paraformaldehyde-fixed, paraffin embedded Human Ovarian mucinous Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MUC16 Monoclonal Antibody, Unconjugated (TMAB-01185) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
2. (Negative control) paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MUC16 Monoclonal Antibody, Unconjugated (TMAB-01185) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Human Uterus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MUC16 Monoclonal Antibody, Unconjugated (TMAB-01185) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Human Endometrial Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MUC16 Monoclonal Antibody, Unconjugated (TMAB-01185) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Human Endometrial; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MUC16 Monoclonal Antibody, Unconjugated (TMAB-01185) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
6. 25 µg total protein per Lane of various lysates probed with MUC16 monoclonal antibody, unconjugated (TMAB-01185) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.
7. 4% Paraformaldehyde-fixed OVCAR-3 (H) cell; Triton X-100 at RT for 20 min; Antibody incubation with (MUC16) monoclonal Antibody, unconjugated (TMAB-01185) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nucleus. PBS instead of the primary antibody was used as the blank control.
8. The OVCAR-3 (H) cells were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at room temperature). Primary Antibody (green): Mouse Anti-MUC16 antibody (TMAB-01185): 1 µg/10⁶ cells; Secondary Antibody (white blue): Goat anti-Mouse IgG-BF488: 1 µg/test. Isotype Control (orange): Mouse IgG. Blank control (black): PBS.

Verified Activity:



Negative control Human Colon





Application: FCM,ICC/IF,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; ICC/IF: 1:50-200; FCM: 1µg/Test; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: human MUC16 Protein

Antigen Species: Human

Gene ID: 94025

Uniprot ID: Q8WXI7

Synonyms: Mucin-16;CA125;Ovarian cancer-related tumor marker CA125 (CA-125);MUC-16;Ovarian carcinoma antigen CA125;MUC16

Biology Area: MUC,Tumor biomarkers,Tumor antigens,MUC

Research Background

MUC16 (CA125) is a serum marker that is used routinely in gynecologic practice to monitor patients with ovarian cancer. It is a müllerian duct differentiation antigen that is overexpressed in epithelial ovarian cancer cells and secreted into the blood, although its expression is not entirely confined to 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.

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