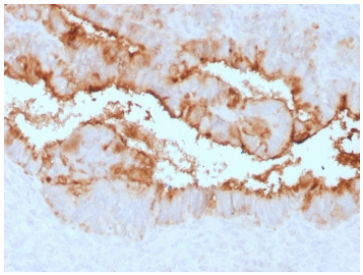
# Recombinant MUC16 Antibody / Rabbit Monoclonal [clone OCA125/2349R] (V3648)

| Catalog No. | Formulation | Size |
|---|---|---|
| V3648-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V3648-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V3648SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V3648IHC-7ML | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml |

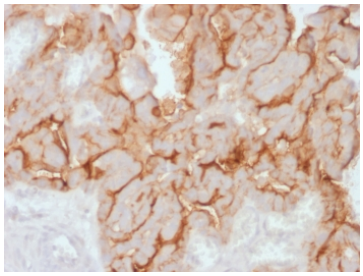
Recombinant RABBIT MONOCLONAL

**Bulk quote request**

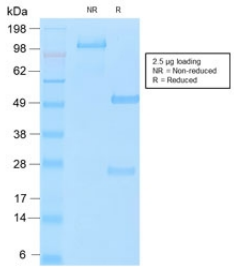
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Recombinant Rabbit Monoclonal |
| **Isotype** | Rabbit IgG, kappa |
| **Clone Name** | OCA125/2349R |
| **Purity** | Protein A affinity chromatography |
| **UniProt** | Q8WXI7 |
| **Localization** | Cell surface, cytoplasmic, secreted |
| **Applications** | Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT |
| **Limitations** | This recombinant MUC16 antibody is available for research use only. |



IHC testing of FFPE human endometrial carcinoma with recombinant MUC16 antibody (clone OCA125/2349R). Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE human ovarian carcinoma with recombinant MUC16 antibody (clone OCA125/2349R). Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.




SDS-PAGE analysis of purified, BSA-free recombinant MUC16 antibody (clone OCA125/2349R) as confirmation of integrity and purity.

## Description

The mucins are a family of highly glycosylated, secreted proteins with a basic structure consisting of a variable number of tandem repeats (VNTRs). Membrane-associated and secretory mucins are high molecular weight glycoproteins of the glycocalyx (polysaccharide biofilm) that protects mucosal epithelium from particulate matter and microorganisms. Epithelial mucins are large, secreted and cell surface glycoproteins crucial for adhesion modulation, signaling and epithelial cell protection. The number of repeats is highly polymorphic and varies among different alleles. The Mucin family consists of Mucins 1-4, Mucin 5 (AC and B), 6-8, 11-13 and 15-17. The Mucin 16 protein (also commonly referred to as CA125), encoded for by the gene MUC16, is a very high molecular weight tumor antigen consisting of three domains: a carboxy terminal domain, an extracellular domain and an amino terminal domain. Mucin 16, an ovarian cancer-associated antigen, is used as a marker to monitor the progress of epithelial ovarian cancer. It is a hydrophilic membrane-associated protein that may be involved in vitamin A functions.

## Application Notes

Optimal dilution of the recombinant MUC16 antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

A recombinant partial protein was used as the immunogen for the recombinant MUC16 antibody.

## Storage

Store the recombinant MUC16 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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