Datasheet for ABIN6941129

Recombinant anti-MUC16 antibody

3 Images

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Overview

Quantity:	100 µg
Target:	MUC16 (CA125)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This MUC16 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Purified human MUC16 protein
Clone:	OCA125-2349R
Isotype:	IgG
Purification:	Purified by Protein A/G

Target Details

Target:	MUC16 (CA125)
Alternative Name:	CA125 (CA125 Products)
Background:	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

Target Details

	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), Mucins 6-8, Mucins 11-13 and Mucins 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.
Molecular Weight:	>2,000kDa
Gene ID:	94025
UniProt:	Q8WXI7

Application Details

Application Notes:	Positive Control: MDA-MB-468 cells. Ovarian Cancer. Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

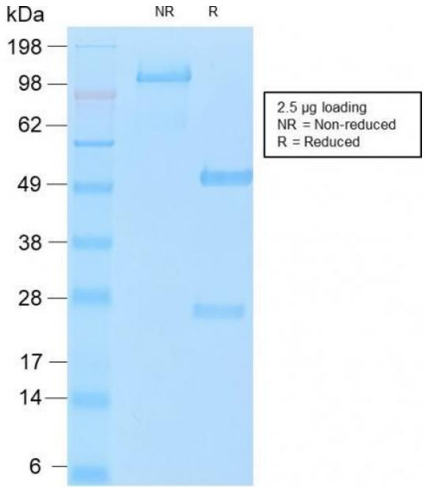
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Handling

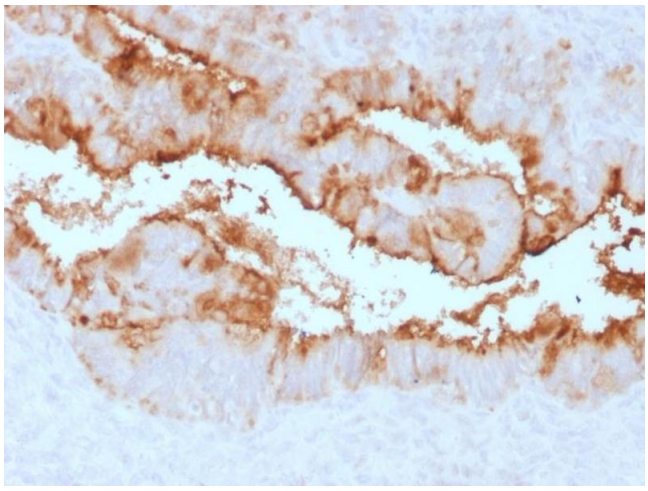
Expiry Date:	24 months

Images



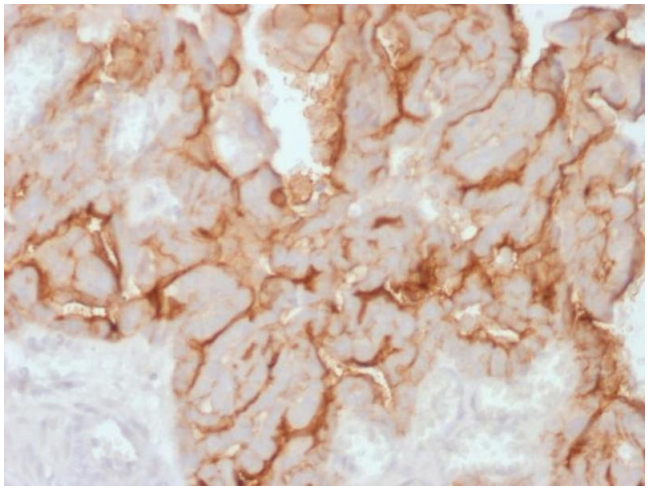
SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified MUC16 Rabbit Recombinant Monoclonal Antibody (OCA125/2349R).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with MUC16 Rabbit Recombinant Monoclonal Antibody (OCA125/2349R).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with MUC16 Rabbit Recombinant Monoclonal Antibody (OCA125/2349R).