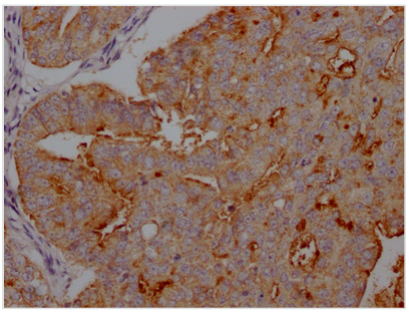
MUC16/CA125 Recombinant Monoclonal Antibody

Product Code	CSB-RA941216A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q8WXI7
Immunogen	A synthesized peptide derived from human MUC16
Species Reactivity	Human
Tested Applications	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
Relevance	Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cancer; Tags & Cell Markers; Signal transduction
Gene Names	MUC16
Clone No.	10E9

Image



IHC image of CSB-RA941216A0HU diluted at 1:100 and staining in paraffin-embedded human endometrial cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4? overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

MUC16, also called CA125, is normally expressed by the epithelial lining of several organs such as the ocular surface, tracheal surface, female reproductive tract, the mesothelium lining of the abdominal cavity, and cervical epithelium. It functions as a barrier against external insults and helps in lubrication and maintenance of mucosa. However, MUC16 is overexpressed in multiple cancers and plays an important role in tumorigenicity and acquired resistance to therapy.

CA-125 has been evaluated as a prognostic biomarker in ovarian cancer both postoperatively and during disease remission.

The generation of this recombinant MUC16 antibody occurs in a series of steps: immunization, splenocytes & PBMC, single B cell sorting, mRNA extraction, RT-PCR & insert vector, expression, ELISA validation. And ELISA, IHC was carried out Every step was performed under strict standards to ensure the researchers can have a recombinant MUC16 antibody with premium quality.