

Datasheet for ABIN1804607

anti-MUC16 antibody (Extracellular Domain)



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1 Image

Overview

Quantity:	0.1 mg
Target:	MUC16 (CA125)
Binding Specificity:	Extracellular Domain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MUC16 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	CA125 antigen purified from human ovarian carcinoma.
Clone:	X325
Isotype:	IgG1
Specificity:	Recognizes the ovarian cancer mucin CA125 (also known as MUC16). CA125 consists of a short cytoplasmic tail, a transmembrane domain and an exceptionally large glycosylated extracellular domain. The extracellular domain is dominated by a large number of 156-amino acid repeat units, over 60 in all. These repeats are known to bind the antibodies OC125 and M11. CA125 is present within normal ovarian, endometrium, endocervix and fallopian tissue, but levels are elevated in over 90 % of women with advanced ovarian cancer. CA125 levels may

Product Details

also be elevated in other cancers and non-cancerous conditions such as peritonitis, endometriosis and liver cirrhosis. Levels may also fluctuate during the menstrual cycle and occasionally increases in pregnancy, making CA125 an unreliable marker for ovarian cancer in premenopausal women. The function of CA125 in healthy tissue is unknown but it is thought to provide a protective lubricating barrier against particles and infectious agents at mucosal surfaces. CA125 was concluded by the International Society of Oncology and BioMarkers (ISOBM) to contain two major antigenic domains. Recognizes the epitope specificity group B, similar to the M-11 antibody. May be used to detect CA125 in ELISA assays.

Purification: Ion exchange chromatography

Target Details

Target: MUC16 (CA125)

Alternative Name: MUC16 / CA125 ([CA125 Products](#))

Background: Name/Gene ID: MUC16

Synonyms: MUC16, CA125 ovarian cancer antigen, CA125, CA-125, MUC-16, Mucin-16

Gene ID: 94025

UniProt: [Q8WXI7](#)

Application Details

Application Notes: Approved: ELISA, IHC, IHC-P (10 µg/mL), WB

Usage: ELISA: This product may be used in an indirect ELISA or as a detection antibody in a sandwich ELISA together with LS-B2829 as a capture reagent.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

Handling

Format: Liquid

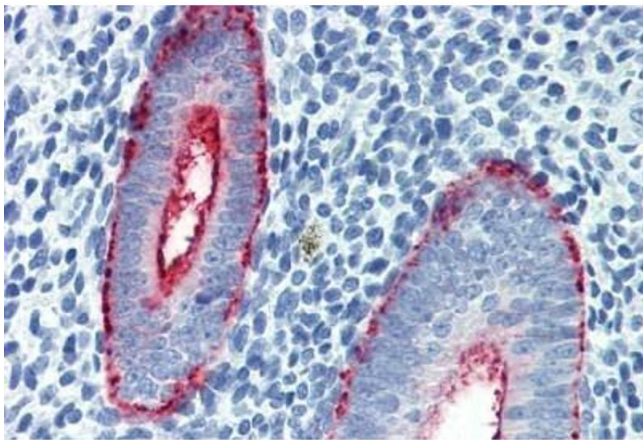
Concentration: Lot specific

Buffer: Tris buffered saline, 0.09 % sodium azide.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Human Uterus: Formalin-Fixed, Paraffin-Embedded (FFPE)