

Datasheet for ABIN3031862
anti-MUC1 antibody (AA 935-1097)



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2 Images

Overview

Quantity:	100 µg
Target:	MUC1
Binding Specificity:	AA 935-1097
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Human partial recombinant protein (935-1097) was used as the immunogen for this MUC1 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity

Target Details

Target:	MUC1
Alternative Name:	MUC1 (MUC1 Products)
Background:	Mucin 1, cell surface associated (MUC1) or polymorphic epithelial mucin (PEM) is a mucin encoded by the MUC1 gene in humans. This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in

Target Details

forming protective mucous barriers on epithelial surfaces. It is mapped to 1q22. Mucin 1 is a transmembrane mucin normally expressed on the apical borders of secretory epithelial cells. Overexpression of Mucin 1 is often associated with colon, breast, ovarian, lung and pancreatic cancers. The protein serves a protective function by binding to pathogens and also functions in a cell signaling capacity. Mucin 1 stimulated ESR1-mediated transcription and contributed to estradiol-mediated growth and survival of breast cancer cells. This gene also can suppress pulmonary innate immunity, and its antiinflammatory activity may play an important modulatory role during microbial infection.

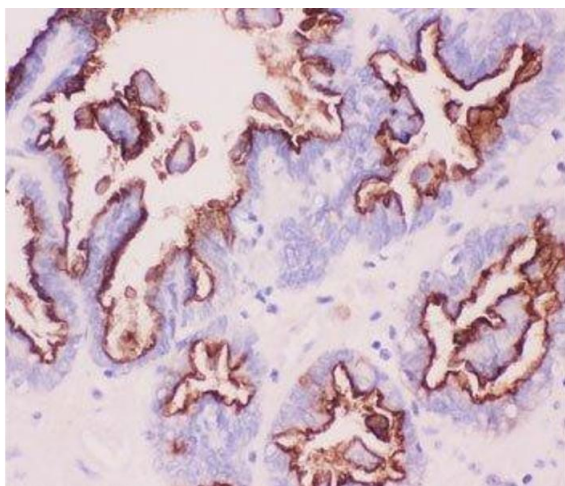
Gene ID:	4582
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	The stated application concentrations are suggested starting points. Titration of the MUC1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. IHC (Paraffin): 0.5-1 µg/mL
Restrictions:	For Research Use only

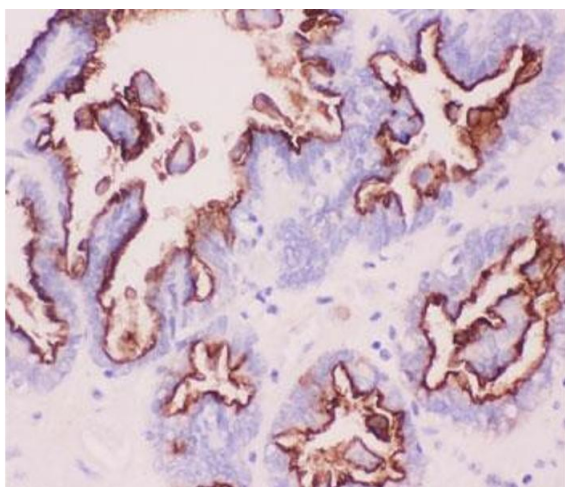
Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the MUC1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



Immunohistochemistry

Image 1. IHC-P: MUC1 antibody testing of human ovary cancer tissue



Immunohistochemistry

Image 2. IHC-P: MUC1 antibody testing of human ovary cancer tissue