

Datasheet for ABIN5707946

anti-MUC1 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	MUC1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Human milk fat globule membranes were used as the immunogen for this recombinant MUC1 antibody.
Clone:	MCN01-2R
Isotype:	IgG kappa
Purification:	Purified
Purity:	Protein A affinity chromatography

Target Details

Target:	MUC1
Alternative Name:	MUC1 / Mucin-1 (MUC1 Products)
Background:	Mucin-1/MUC1 protein is encoded by the MUC1 gene in humans. This gene encodes a

Target Details

membrane-bound protein that is a member of the mucin family. Family members are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. MUC1 is a transmembrane protein normally expressed on the apical borders of secretory epithelial cells. Overexpression is often associated with colon, breast, ovarian, lung and pancreatic cancers. The dominant epitope of this MAb involves both amino acids as well as sugar moieties. Its epitope is destroyed by desialylation i.e. treatment with Neuraminidase.

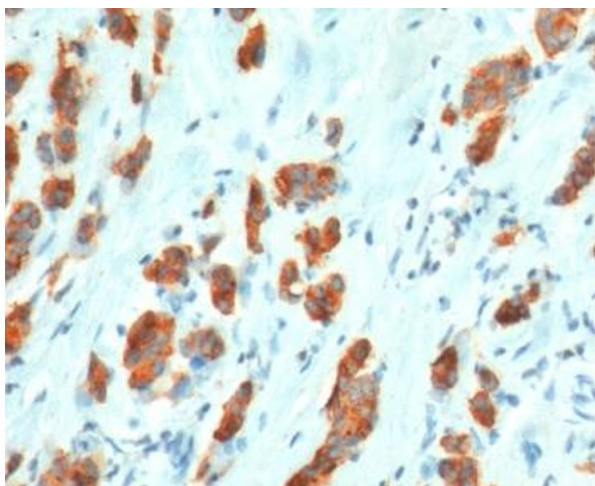
Gene ID:	4582
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Titration of the recombinant MUC1 may be required due to differences in protocols and secondary/substrate sensitivity. 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.\. Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT,Prediluted IHC only format: incubate for 30 min at RT (1)
Restrictions:	For Research Use only

Handling

Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the recombinant MUC1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).



Immunohistochemistry

Image 1. IHC testing of FFPE human breast carcinoma with recombinant MUC1 antibody (clone MCN01-2R). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.