Datasheet for ABIN2776827

anti-MUC1 antibody (C-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	MUC1
Binding Specificity:	C-Term
Reactivity:	Human, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human MUC1
Sequence:	GCAGHCLSHC LGCLSVPPKE LRAAGHLSSP GYLPSYERVP HLPHPWALCA
Predicted Reactivity:	Human: 100%, Pig: 86%
Characteristics:	This is a rabbit polyclonal antibody against MUC1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	MUC1
Alternative Name:	MUC1 (MUC1 Products)
Background:	This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins

Target Details

	are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. These proteins also play a role in intracellular signaling. This protein is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung, breast stomach and pancreas. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas. This gene is known to contain a highly polymorphic variable number tandem repeats (VNTR) domain. Alternate splicing results in multiple transcript variants. Alias Symbols: CD227, EMA, H23AG, KL-6, MAM6, PEM, PEMT, PUM, MUC-1, MUC-1/X, MUC1/ZD, MUC-1/SEC Protein Interaction Partner: UBC, PPARG, IPO5, NUP62, EGFR, ABL1, SRC, JUN, TP53, TBP, IKBKG, TNFRSF1A, IKBKB, GRB2, ESR1, GALNT15, GALNT12, GALNT10, OSGEP, GSK3B, GALNT2, GALNT1, CTNND1, SIGLEC1, ERBB4, ERBB3, SOS1, PRKCD, ZAP70, APC, JUP, LYN, ERBB2, LCK, CTNNB1, GALNT4, BAX, CDKN1 Protein Size: 158
Molecular Weight:	14 kDa
Gene ID:	4582
NCBI Accession:	NM_001044393, NP_001037858
UniProt:	Q7Z538
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 158 AA
Restrictions:	For Research Use only

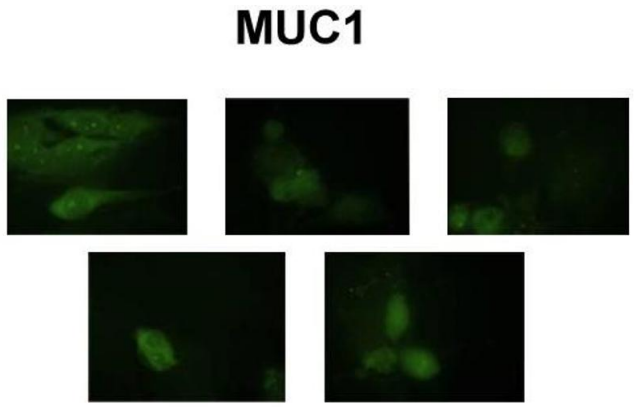
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

	sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



See Immunohistochemistry 1 Data and Customer Feedback tab for more information.

Immunohistochemistry

Image 1. NmuFG