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Datasheet for ABIN2776819
anti-MUC1 antibody (C-Term)

9 Images

Overview

Quantity:	100 µL
Target:	MUC1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Rabbit, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human MUC1
Sequence:	GQLDIFPARD TYHPMSEYPT YHTHGRYVPP SSTDRSPYEK VSAGNGGSSL
Predicted Reactivity:	Cow: 92%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against MUC1. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	MUC1
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Target Details

Alternative Name: MUC1 ([MUC1 Products](#))

Background: MUC1 is a membrane bound, glycosylated phosphoprotein. The protein is anchored to the apical surface of many epithelia by a transmembrane domain, with the degree of glycosylation varying with cell type. It also includes a 20 aa variable number tandem repeat (VNTR) domain, with the number of repeats varying from 20 to 120 in different individuals. The protein serves a protective function by binding to pathogens and also functions in a cell signaling capacity. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas.

Alias Symbols: CD227, EMA, PEM, PUM, mucin, KL-6, MAM6, PEMT, H23AG, 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: 203

Molecular Weight: 22 kDa

Gene ID: 4582

NCBI Accession: [NM_001044390](#), [NP_001037855](#)

UniProt: [Q7Z552](#)

Pathways: [Negative Regulation of intrinsic apoptotic Signaling](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 203 AA

Restrictions: For Research Use only

Handling

Format: Liquid

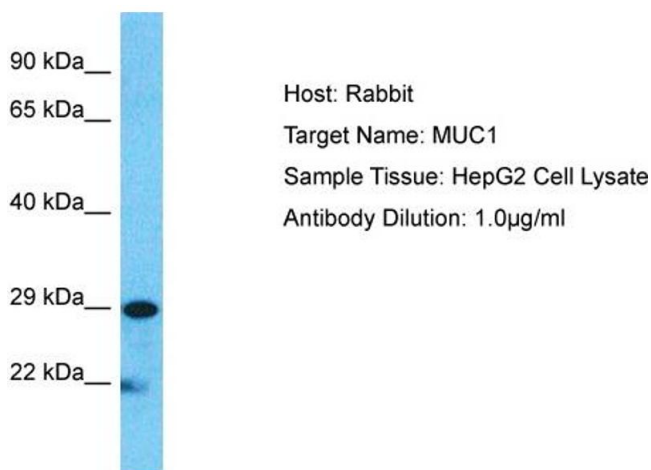
Concentration: Lot specific

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

Handling

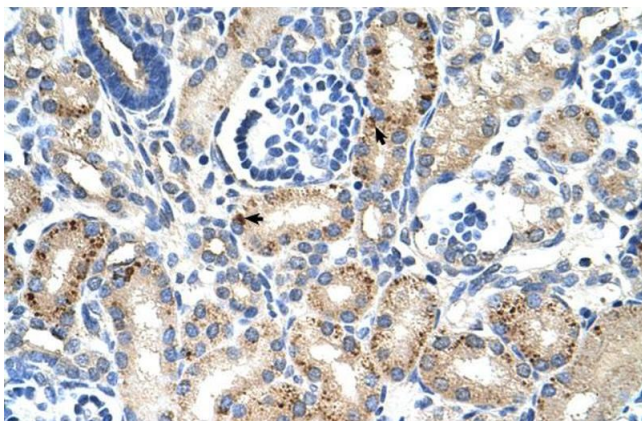
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

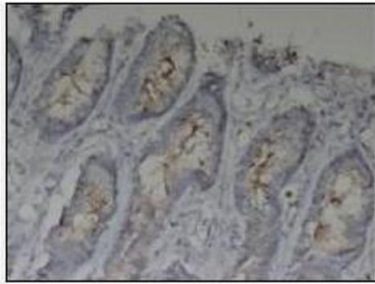
Image 1. Host: Rabbit Target Name: MUC1 Sample Type: HepG2 Whole cell lysates Antibody Dilution: 1.0ug/ml



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Rabbit Anti-MUC1 Antibody ,Paraffin Embedded Tissue: Human Kidney Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 µg/mL Magnification:.00X

MUC1



Brown: MUC1 Blue: Nucleus

See IHC 3 Data and Customer Feedback for more Information

Immunohistochemistry

Image 3. Sample Type : Pig stomach Primary Antibody Dilution : 1:5000 + 1:2000 Secondary Antibody : Anti-rabbit-HRP Secondary Antibody Dilution : 1:1000 Color/Signal Descriptions : Brown: MUC1 Blue: Nucleus Gene Name : MUC1 Submitted by : Dr. Sara Linden, University of Gothenburg

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN2776819.