

Datasheet for ABIN635541
anti-MUC1 antibody (C-Term)

2 Images



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Overview

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

Product Details

Immunogen:	MUC1 antibody was raised using the C terminal of MUC1 corresponding to a region with amino acids GQLDIFPARDTYHPMSEYPTYHTHGCRYVPPSSTDRSPYEKVSAGNGGSSL
Specificity:	MUC1 antibody was raised against the C terminal of MUC1
Purification:	Affinity purified

Target Details

Target:	MUC1
Alternative Name:	MUC1
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,

Target Details

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.

Molecular Weight: 22 kDa (MW of target protein)

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

Application Details

Application Notes: WB: 0.5 µg/mL, IHC: 4-8 µg/mL
Optimal conditions should be determined by the investigator.

Comment: MUC1 Blocking Peptide, (ABIN938886), is also available for use as a blocking control in assays to test for specificity of this MUC1 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of MUC1 antibody in PBS

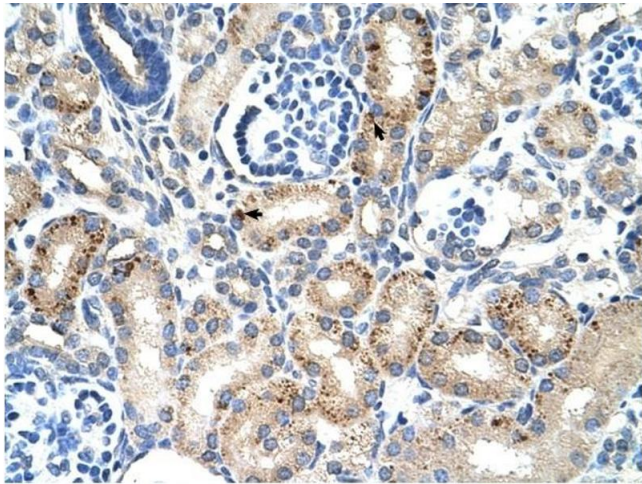
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

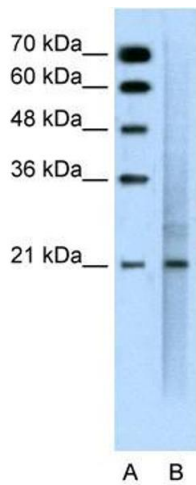
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Immunohistochemistry

Image 1. MUC1 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Epithelial cells of renal tubule (arrows) in Human Kidney. Magnification is at 400X



Western Blotting

Image 2. MUC1 antibody used at 0.5 ug/ml to detect target protein.