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Datasheet for ABIN6263431 anti-MUC2 antibody

3 Images

1 Publication



Overview

Quantity:	100 µL
Target:	MUC2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human MUC2
Isotype:	lgG
Specificity:	MUC2 Antibody detects endogenous levels of total MUC2
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	MUC2
Alternative Name:	MUC2 (MUC2 Products)

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Target Details Background: Description: Coats the epithelia of the intestines, airways, and other mucus membranecontaining organs. Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. Major constituent of both the inner and outer mucus layers of the colon and may play a role in excluding bacteria from the inner mucus layer. Gene: MUC2 Molecular Weight: 540 kDa UniProt: Q02817

Application Details

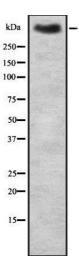
Application Notes:	WB 1:1000-3000, IHC 1:50-1:200, IF/ICC 1:100-1:500
Restrictions:	For Research Use only

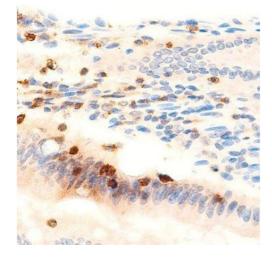
Handling

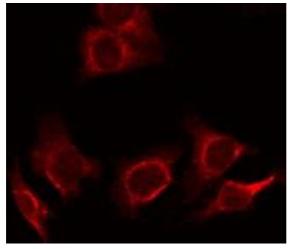
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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C.Stable for 12 months from date of receipt
Expiry Date:	12 months
Publications	
Product cited in:	Lu, Zhou, Hao, Li, Wang, Shu, Du, Zhu, Zhang, Yin: "The mTOR promotes oxidative stress-
	induced apoptosis of mesangial cells in diabetic nephropathy." in: Molecular and cellular
	endocrinology, Vol. 473, pp. 31-43, (2018) (PubMed).
	Qin, Wu, Sang: "Sulfur dioxide and benzo(a)pyrene trigger apoptotic and anti-apoptotic signals
	at different post-exposure times in mouse liver." in: Chemosphere , Vol. 139, pp. 318-25, (2016)
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Images







Western Blotting

Image 1. Western blot analysis of MUC2 using HT-29 whole cell lysates

Immunohistochemistry

Image 2. ABIN6278359 at 1/200 staining Rat colon tissue sections by IHC-P.

Immunofluorescence (fixed cells)

Image 3. ABIN6278359 staining SW480 cells by ICC/IF. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25jãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37jãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600 was used as secondary antibod

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