

Datasheet for ABIN2854828  
**anti-MUC2 antibody (C-Term)**

10 Images

1 Publication

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## Overview

Quantity:	100 µL
Target:	MUC2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Fluorescence in situ hybridization (FISH)

## Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human MUC2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to MUC2 (mucin 2, oligomeric mucus/gel-forming) MUC2 antibody [C3], C-term
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	MUC2
Alternative Name:	mucin 2, oligomeric mucus/gel-forming ( <a href="#">MUC2 Products</a> )
Background:	<p>This gene encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins produced by many epithelial tissues. The protein encoded by this gene is secreted and forms an insoluble mucous barrier that protects the gut lumen. The protein polymerizes into a gel of which 80 % is composed of oligosaccharide side chains by weight. The protein features a central domain containing tandem repeats rich in threonine and proline that varies between 50 and 115 copies in different individuals. Alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.</p> <p>Cellular Localization: Secreted</p>
Molecular Weight:	540 kDa
Gene ID:	4583
UniProt:	<a href="#">Q02817</a>

## Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Validation: Orthogonal
Restrictions:	For Research Use only

## Handling

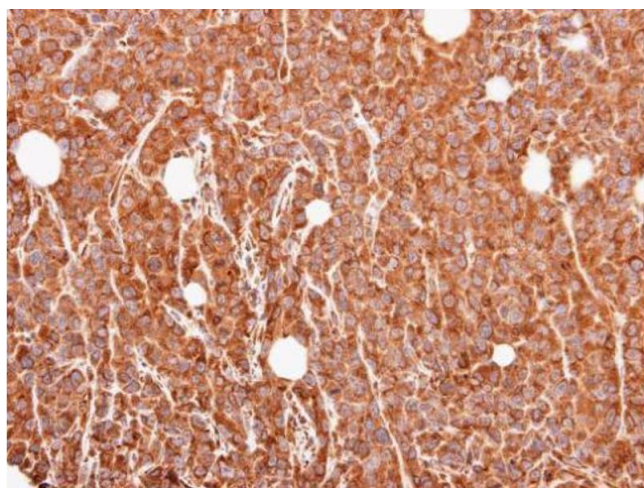
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Publications

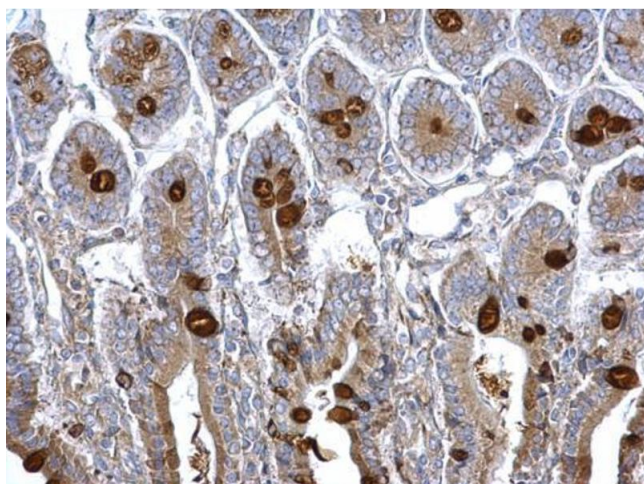
Product cited in: Sarin, Engel, Rothweiler, Cinatl, Michaelis, Frötschl, Fröhlich, Kalayda: "Key Players of Cisplatin Resistance: Towards a Systems Pharmacology Approach." in: **International journal of molecular sciences**, Vol. 19, Issue 3, (2018) ([PubMed](#)).

## Images



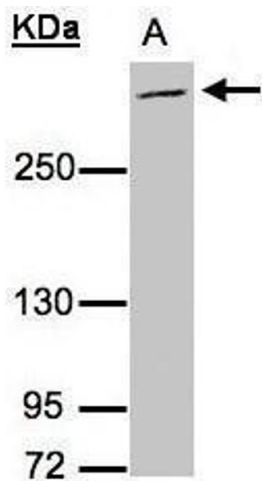
### Immunohistochemistry

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded SAS xenograft, using MUC2, antibody at 1:500 dilution.



### Immunohistochemistry

**Image 2.** IHC-P Image MUC2 antibody [C3], C-term detects MUC2 protein at secreted on mouse intestine by immunohistochemical analysis. Sample: Paraffin-embedded mouse intestine. MUC2 antibody [C3], C-term, dilution: 1:500.



Western Blotting

**Image 3.** WB Image Sample (30µg whole cell lysate) A:Raji , 5% SDS PAGE antibody diluted at 1:3000

Please check the [product details page](#) for more images. Overall 10 images are available for ABIN2854828.