

Product datasheet

Anti-MUC3 antibody [M3.1] - BSA and Azide free ab270282

[3 Images](#)

Overview

Product name	Anti-MUC3 antibody [M3.1] - BSA and Azide free
Description	Mouse monoclonal [M3.1] to MUC3 - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human MUC3 conjugated to keyhole limpet haemocyanin. Contains two of the MUC3 tandem repeats. Database link: Q02505
Positive control	IHC-P: Human gastric carcinoma and colon carcinoma tissue.
General notes	ab270282 is a carrier free version of ab270247 .

 [Run BLAST with](#)

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Our [carrier-free](#) antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A/G purified
Purification notes	Purified from bioreactor concentrate.
Clonality	Monoclonal
Clone number	M3.1
Isotype	IgG2a
Light chain type	kappa

Applications

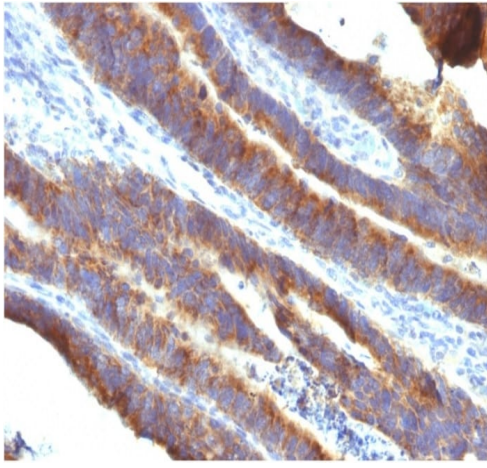
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab270282 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Relevance	MUC3 (Mucin 3) is an intestinal glycoprotein distributed in the colon and rectum, and to a lesser extent in breast, lung and salivary tissues. It is involved in conferring mucous viscoelasticity.
Cellular localization	Secreted

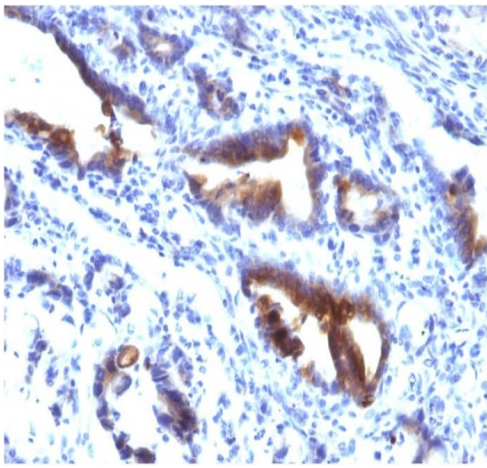
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC3 antibody [M3.1] - BSA and Azide free (ab270282)

Formalin-fixed, paraffin-embedded human colon carcinoma stained for MUC3 using [ab270247](#) at 2 µg/ml in immunohistochemical analysis.

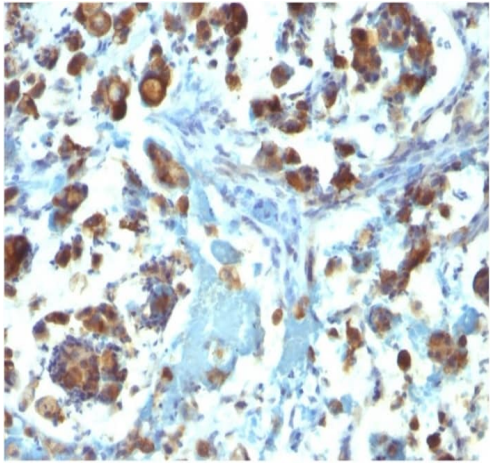
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide ([ab270247](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC3 antibody [M3.1] - BSA and Azide free (ab270282)

Formalin-fixed, paraffin-embedded human gastric carcinoma stained for MUC3 using [ab270247](#) at 2 µg/ml in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide ([ab270247](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC3 antibody [M3.1] - BSA and Azide free (ab270282)

Formalin-fixed, paraffin-embedded human gastric carcinoma stained for MUC3 using [ab270247](#) at 2 µg/ml in immunohistochemical analysis.

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