

Anti-MUC2 antibody [B306.1] ab7848

★★★★★ [1 Abreviews](#) [1 References](#) [画像数 1](#)

製品の概要

製品名	Anti-MUC2 antibody [B306.1]
製品の詳細	Mouse monoclonal [B306.1] to MUC2
由来種	Mouse
特異性	This antibody reacts with MUC2 gene product, a secretory apomucin found in a variety of normal and neoplastic human glandular epithelia.
アプリケーション	適用あり: IHC-P
種交差性	交差種: Human
免疫原	Synthetic peptide corresponding to MUC2. MUC2 tandem repeat consensus sequence.
ポジティブ・コントロール	Colon carcinoma
特記事項	<p>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.</p> <p>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</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituent: 0.01% PBS</p>
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	B306.1
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

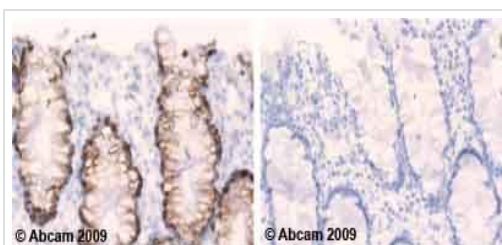
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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/4000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

ターゲット情報

機能	Coats the epithelia of the intestines, airways, and other mucus membrane-containing 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.
組織特異性	Colon, small intestine, colonic tumors, bronchus, cervix and gall bladder.
配列類似性	Contains 1 CTCK (C-terminal cystine knot-like) domain. Contains 1 TIL (trypsin inhibitory-like) domain. Contains 2 VWFC domains. Contains 4 VWFD domains.
翻訳後修飾	O-glycosylated. May undergo proteolytic cleavage in the outer mucus layer of the colon, contributing to the expanded volume and loose nature of this layer which allows for bacterial colonization in contrast to the inner mucus layer which is dense and devoid of bacteria. At low pH of 6 and under, undergoes autocatalytic cleavage in vitro in the N-terminal region of the fourth VWD domain. It is likely that this also occurs in vivo and is triggered by the low pH of the late secretory pathway.
細胞内局在	Secreted. In the intestine, secreted into the inner and outer mucus layers.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC2 antibody [B306.1] (ab7848)

Ab7848 staining human normal colon. Staining is localised to the membrane.

Left panel: with primary antibody diluted 1:4000. Right panel: isotype control.

Sections were stained using an automated system DAKO Autostainer Plus, at room temperature. Sections were rehydrated and antigen retrieved with the Dako 3-in-1 AR buffer EDTA pH 9.0 in a DAKO PT Link. Slides were peroxidase blocked in 3% H₂O₂ in methanol for 10 minutes. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS), then incubated with primary antibody for 20 minutes, and detected with Dako Envision Flex amplification kit for 30 minutes.

Colorimetric detection was completed with diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may be required.

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