

Anti-MUC13 antibody ab65109

★★★★★ [2 Abreviews](#) [5 References](#) [4 图像](#)

概述

产品名称	Anti-MUC13抗体
描述	兔多克隆抗体to MUC13
宿主	Rabbit
经测试应用	适用于: ELISA, IHC-P, WB, ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide (Human) from an internal sequence.
阳性对照	WB: Extracts from COLO, 293 and HeLa cells. IHC-P: Human colon carcinoma tissue. IF: HepG2 cells.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride</p>
纯度	Immunogen affinity purified
纯化说明	The antibody was affinity purified from rabbit antiserum by affinity chromatography using epitope specific immunogen.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab65109于以下的经测试应用

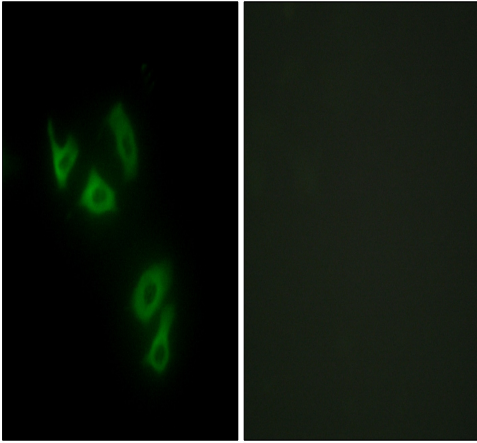
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ELISA		Use at an assay dependent concentration.
IHC-P	★★★★★ (1)	1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★ (1)	1/500 - 1/1000. Detects a band of approximately 55 kDa (predicted molecular weight: 55 kDa).
ICC/IF		1/500 - 1/1000.

靶标

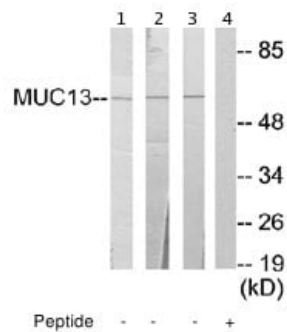
功能	Epithelial and hemopoietic transmembrane mucin that may play a role in cell signaling.
组织特异性	Highly expressed in epithelial tissues, particularly those of the gastrointestinal and respiratory tracts, such as large intestine and trachea, followed by kidney, small intestine, appendix and stomach.
序列相似性	Contains 3 EGF-like domains. Contains 1 SEA domain.
翻译后修饰	Cleaved into two subunits, alpha and beta, probably between the first EGF domain and the SEA domain. Beta subunit contains the cytoplasmic tail and alpha subunit the extracellular tail. The homo-oligomerization into dimers is dependent on intrachain disulfide bonds. Highly N-glycosylated.
细胞定位	Cell membrane. Secreted. Also exists as a soluble form.

图片



Immunocytochemistry/ Immunofluorescence - Anti-MUC13 antibody (ab65109)

Immunofluorescence analysis of HepG2 cells, using MUC13 antibody. The picture on the right is blocked with synthesized peptide.



Western blot - Anti-MUC13 antibody (ab65109)

All lanes : Anti-MUC13 antibody (ab65109) at 1/500 dilution

Lane 1 : extracts from COLO cells

Lane 2 : extracts from 293 cells

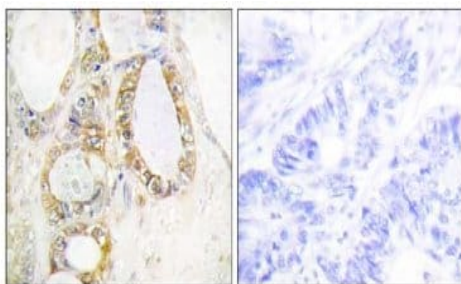
Lane 3 : extracts from HeLa cells

Lane 4 : extracts from HeLa cells with immunising peptide at 5 µg

Lysates/proteins at 5 µg per lane.

Predicted band size: 55 kDa

Observed band size: 55 kDa



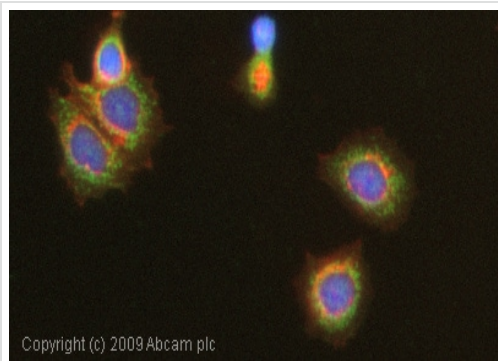
Peptide - +

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC13 antibody (ab65109)

Secondary antibody - anti-rabbit HRP (ab6721)

Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue labelling MUC13 with ab65109.

The picture on the right is blocked with the synthesized peptide.



Immunocytochemistry/ Immunofluorescence - Anti-MUC13 antibody (ab65109)

ICC/IF image of ab65109 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab65109, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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