

Product Datasheet

MUC2 Antibody / Mucin-2 (orb749374)

Catalog Number	orb749374
Category	Antibodies
Description	<p>This antibody recognizes a single glycoprotein of 520kDa, identified as MUC2 (Mucin-2). The MUC2 antibody shows no cross-reaction with human milk fat globule membranes, MUC1, or MUC3. Mucins are high molecular weight glycoproteins, which constitute the major component of the mucus layer that protects the gastric epithelium. MUC2 is specifically expressed in goblet cells of the small intestine and colon; in about 65% of colonic carcinomas and about 40% of gastric carcinomas. MUC2 is rarely expressed outside of the GI tract with the exceptions of mucinous carcinoma of breast and clear cell-type carcinomas of the ovary.</p>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	Amino acids, KYPTTTPISTTTMVTPTPTGTQTPTTT, from human MUC2 / Mucin-2 protein, were used as the immunogen for this antibody.
Tested applications	IHC-P
Dilution range	Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT (1),Prediluted IHC only format: incubate for 30 min at RT (2)

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Application notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the MUC2 antibody to be titrated up or down for optimal performance.1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris-HCl buffer, pH 10.0, for 10-20 min followed by cooling at RT for 20 minutes.2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Antibody Type

Primary Antibody

Clone Number

CCP58

Storage

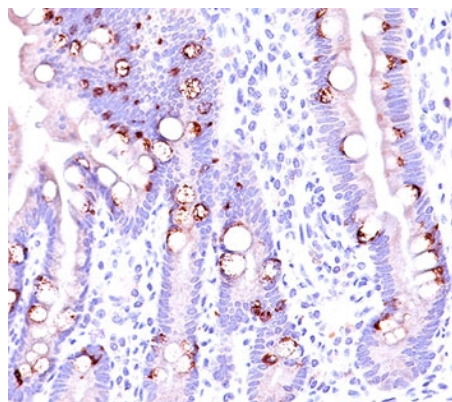
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only

Expiration Date

12 months from date of receipt.



Formalin/paraffin normal human intestine stained with MUC2 antibody (CCP58).

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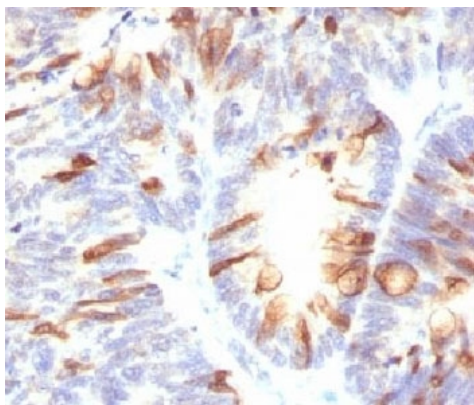
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IHC testing of FFPE human colon carcinoma with MUC2 antibody

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