

Product Datasheet

Recombinant MUC2 Antibody / Mucin 2 (orb639822)

Catalog Number	orb639822
Category	Antibodies
Description	Recognizes a single glycoprotein of 520kDa, identified as mucin 2 (MUC2). This MAb 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 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.
Clonality	Recombinant
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 KYPTTTPISTTTMTPTPTPTGTQTPTTT were used as the immunogen for this recombinant MUC2 antibody. Its epitope has been defined as GTQTP.
UniProt ID	Q02817
Tested applications	IHC-P

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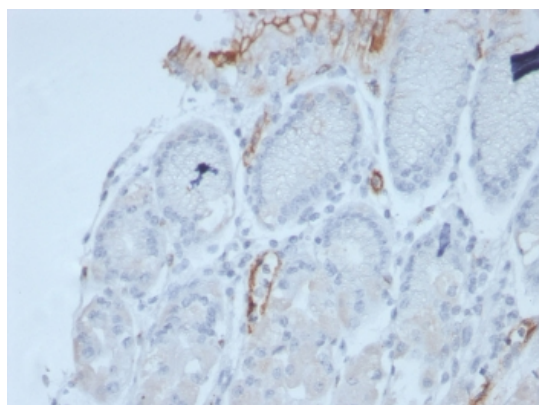
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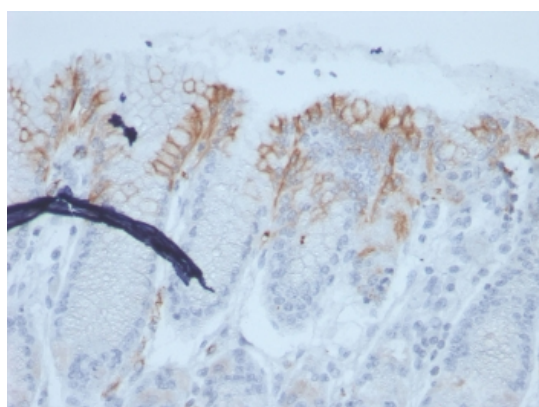
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Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml
Application notes	Optimal dilution of the recombinant MUC2 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	rMLP/842
Storage	Maintain refrigerated at 2-8°C 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.



IHC staining of FFPE human stomach with recombinant MUC2 antibody (clone rMLP/842). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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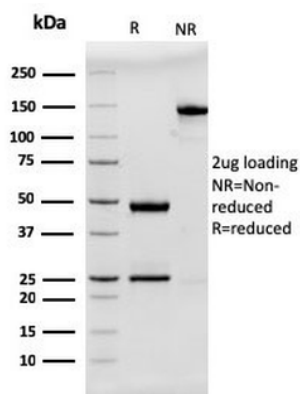
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SDS-PAGE analysis of purified, BSA-free recombinant MUC2 antibody (clone rMLP/842) as confirmation of integrity and purity.

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