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36-2824: Anti-MUC5AC (Mucin 5AC / Gastric Mucin) Monoclonal Antibody(Clone: rMUC5AC/3779)

Clonality :	Monoclonal
Clone Name :	rMUC5AC/3779
Application :	IHC
Reactivity :	Human, Mouse, Rat
Gene :	MUC5AC
Gene ID :	4586
Uniprot ID :	P98088
Alternative Name :	Apomucin Major Airway Glycoprotein, Mucin 5 subtype AC tracheobronchial, Mucin 5 Subtypes A And C, Mucin 5AC oligomeric mucus/gel forming, Tracheobronchial Mucin (TBM)
Isotype :	Mouse IgG1, kappa
Immunogen Information :	M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient

Description

This MAb recognizes the peptide core of gastric mucin M1 (recently identified as Mucin 5AC).Its epitope is located in the C-terminal cysteine rich part of the peptide core of MUC5AC. Its epitope is destroyed by beta-mercaptoethanol but not by periodate treatment. This mucin is present in primary ovarian mucinous cancer but usually absent in colorectal adenocarcinoma, thus showing an expression pattern opposite to MUC2. Together with a panel of antibodies, Anti-MUC5AC may be useful for differential identification of primary mucinous ovarian tumors from colon adenocarcinoma metastatic to the ovary. MUC5AC antibodies may also be useful for identification of intestinal metaplasia as well as in the identification of pancreatic carcinoma and pre-cancerous changes vs. normal pancreas.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

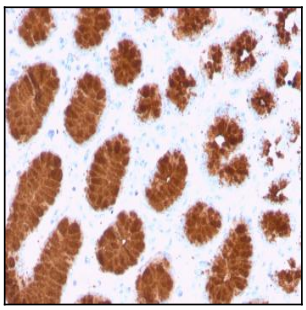


Fig. 1: Formalin-fixed, paraffin-embedded human colon stained with MUC5AC Recombinant Mouse Monoclonal Antibody (rMUC5AC/3779).

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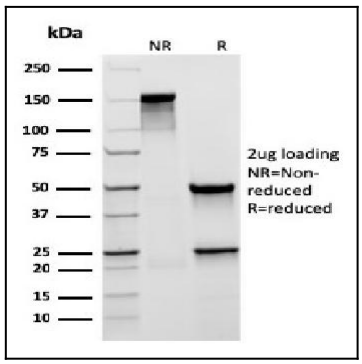


Fig. 2: SDS-PAGE Analysis Purified MUC5AC Recombinant Mouse Monoclonal Antibody (rMUC5AC/3779). Confirmation of Integrity and Purity of Antibody.

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