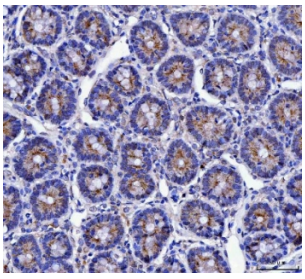
MUC5AC Antibody / Mucin-5AC (R31699)

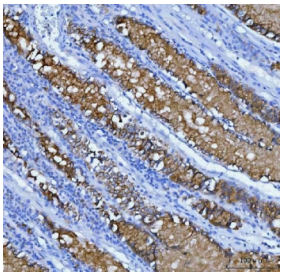
Catalog No.	Formulation	Size
R31699	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
Gene ID	4586
Applications	Immunohistochemistry (FFPE): 2-5ug/ml
Limitations	This MUC5AC antibody is available for research use only.



IHC staining of FFPE rat stomach tissue with MUC5AC antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human gastric carcinoma tissue with MUC5AC antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

Mucin-5AC is a protein that in humans is encoded by the MUC5AC gene. It is mapped to 11p15.5. MUC5AC is highly expressed in adult trachea and stomach. This gene has been linked to mucus hypersecretion in the pulmonary tracts and associated to chronic obstructive pulmonary disease (COPD). It has been showed that activation of the NF-kappa-B signaling pathway by inflammatory cytokine TNF-alpha upregulated MUC5AC mRNA expression nearly 6-fold. It is also a direct and critical mediator of resistance during intestinal nematode infection.

For broader research on MUC5AC expression in gastric and respiratory mucus, including the widely published 45M1 clone, see our MUC5AC Antibody 45M1 / Gastric and Respiratory Mucin Marker page.

Application Notes

The stated application concentrations are suggested starting points. Titration of the MUC5AC antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (4848-5030) was used as the immunogen for this MUC5AC antibody.

Storage

After reconstitution, the MUC5AC antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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