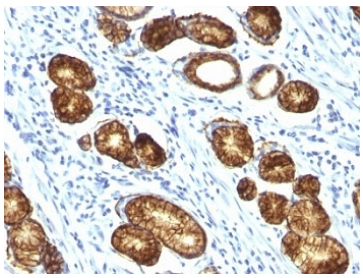
Mucin-6 Antibody [clone MUC6/916] (V2743)

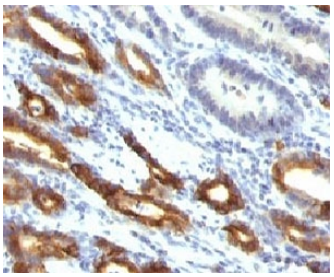
Catalog No.	Formulation	Size
V2743-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2743-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2743SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2743IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	MUC6/916
Purity	Protein G affinity chromatography
UniProt	Q6W4X9
Localization	Cytoplasmic & secreted
Applications	Immunohistochemistry (FFPE): 2-4ug/ml for 30 min at RT
Limitations	This Mucin-6 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human gastric carcinoma stained with Mucin-6 antibody (MUC6/916).



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Description

MUC6 or gastric mucin is a secreted glycoprotein that plays an essential role in epithelial cyto-protection from acid, proteases, pathogenic microorganisms, and mechanical trauma in the gastrointestinal tract. Mucin 6 expression is highest in the stomach and gall bladder, with lower expression in the terminal ileum and right colon. In gastric cancer, Mucin 6 has an altered expression. In normal stomach, Mucin 6 is associated with Lewis type 2; Mucin 6 is also expressed in gastric metaplasia, duodenum and pancreas. Mucin 6 is a secretory mucin, located in the deeper mucosal folds of human gall bladder, and its expression is altered with increasing degrees of inflammation.

Application Notes

Optimal dilution of the Mucin-6 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min
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.

Immunogen

Recombinant human protein was used as the immunogen for the Mucin-6 antibody.

Storage

Store the Mucin-6 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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