

Product datasheet

Anti-Gastric Mucin/MUC-6 antibody [CLH5] - BSA and Azide free ab212646

[1 Image](#)

Overview

Product name	Anti-Gastric Mucin/MUC-6 antibody [CLH5] - BSA and Azide free
Description	Mouse monoclonal [CLH5] to Gastric Mucin/MUC-6 - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human Gastric Mucin/MUC-6. (From Gastric Mucin tandem repeat sequence). Database link: Q6W4X9
Positive control	Human gastric carcinoma and stomach tissues.
General notes	Previously labelled as Gastric Mucin.

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Constituent: 100% PBS
Carrier free	Yes
Purity	Protein G purified
Purification notes	ab212646 was purified from Bioreactor Concentrate by Protein A/G.
Clonality	Monoclonal
Clone number	CLH5
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab212646** in the following tested applications.

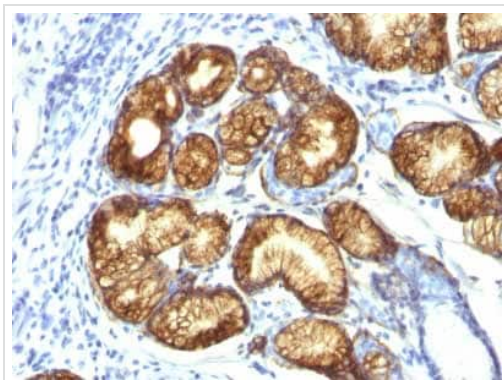
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 2 - 4 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. (Primary incubation for 30 minutes at RT).

Target

Function	May provide a mechanism for modulation of the composition of the protective mucus layer related to acid secretion or the presence of bacteria and noxious agents in the lumen. Play an important role in the cytoprotection of epithelial surfaces and are used as tumor markers in a variety of cancers. May play a role in epithelial organogenesis.
Tissue specificity	Expressed in the regenerative zone of gastric antrum, gastric body mucosa and gastric incisura mucosa. Expressed in the deeper mucous glands of gastric antrum. Overexpressed in <i>Helicobacter pylori</i> infected gastric epithelium. Highly expressed in duodenal Brunner's glands, gall bladder, seminal vesicle, pancreatic centroacinar cells and ducts, and periductal glands of the common bile duct.
Sequence similarities	Contains 1 CTCK (C-terminal cystine knot-like) domain. Contains 1 TIL (trypsin inhibitory-like) domain. Contains 3 VWFD domains.
Developmental stage	Early expressed in fetal development and was observed in Brunner's glands and pancreatic ducts at 18-19 weeks and in gastric glands at 20 weeks of gestation. Expressed transiently in the nephrogenic zone of the kidney in the early mid-trimester of development. Detected in the epithelium of ureteric buds at 13 weeks and at lower levels from 17 to 23 weeks of gestation.
Post-translational modifications	O-glycosylated.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human gastric carcinoma tissue labeling Gastric Mucin/MUC-6 with ab212646 at 4 µg/ml dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Gastric Mucin/MUC-6 antibody [CLH5] - BSA and Azide free (ab212646)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors