

**bs-7166R****[ Primary Antibody ]****MUC5AC Rabbit pAb****Bioss**  
**ANTIBODIES**

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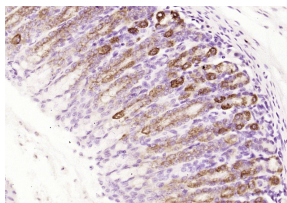
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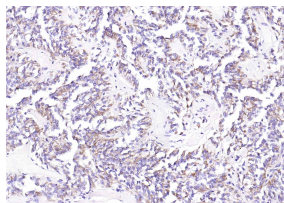
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 4586	<b>SWISS:</b> P98088	
<b>Target:</b> MUC5AC		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Dog, Horse)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MUC5AC/Mucin 5AC: 601-700/5030.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 523 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Secreted ,Extracellular matrix ,Cell membrane ,Cytoplasm
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> Mucin is a high M.W. (>1,000 kDa) glycoprotein, expressed by mucus cells of the gastric epithelium and by goblet cells of the fetal, precancerous and cancerous colon, but not by those of the normal colon. It also appears in other epithelial tissues, which are embryologically derived from the foregut (epigastric and bronchial epithelium) and in Müller ducts (mucus cells of the endocervix and urethral epithelium near the prostatic utricle). The expression of MUC5AC has been frequently observed in gastric carcinomas and may be used as a marker of gastric differentiation.		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MUC5AC) Polyclonal Antibody, Unconjugated (bs-7166R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human pancreatic carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MUC5AC) Polyclonal Antibody, Unconjugated (bs-7166R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=10.5]** Yugo Araújo Martins. et al. Enhancing pulmonary delivery and immunomodulation of respiratory diseases through virus-mimicking nanoparticles. J CONTROL RELEASE. 2024 Aug;372:417 IF ;Human. 38908758
- **[IF=8.46]** Taki, K., et al. "GNASR201H and KrasG12D cooperate to promote murine pancreatic tumorigenesis recapitulating human intraductal papillary mucinous neoplasm." Oncogene 35.18 (2016): 2407-2412. IHC ;="Mouse". 26257060
- **[IF=7.5]** Wu Meirong. et al. Culture and expansion of murine proximal airway basal stem cells. STEM CELL RES THER.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

2024 Dec;15(1):1-13 IF ;Mouse. 38287366

- **[IF=7.076]** Annika Sünderhauf. et al. Loss of Mucosal p32/gC1qR/HABP1 Triggers Energy Deficiency and Impairs Goblet Cell Differentiation in Ulcerative Colitis. Cell Mol Gastroenter. 2021 Jan;; ELISA,IHC ;Mouse. 10.1016/j.jcmgh.2021.01.017
- **[IF=7.2]** Lu Liu. et al. Scutellarein alleviates chronic obstructive pulmonary disease through inhibition of ferroptosis by chelating iron and interacting with arachidonate 15-lipoxygenase. PHYTOTHER RES. 2023 Jun;; IHC ;Mouse. 37353982