

anti-Human Mucin-5AC Polyclonal Antibody | anti-MUC5AC antibody

Anti-Mucin-5AC Antibody

CATALOG # AAA46477	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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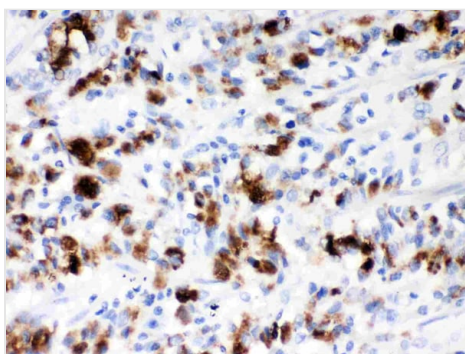
PRODUCT SYNONYMS

Mucin-5AC; Polyclonal Antibody; Anti-Mucin-5AC Antibody; Apomucin; Gastric mucin; LeB; Lewis B blood group antigen; Major Airway Glycoprotein; MUC 5; MUC5; MUC5AC; Mucin 5 subtype AC tracheobronchial; Mucin 5 Subtypes A And C; Mucin 5 subtypes A and C tracheobronchial/gastric; Mucin 5AC; Mucin 5AC oligomeric mucus/gel forming; oligomeric mucus/gel forming pseudogene; TBM; Tracheobronchial Mucin; mucin 5AC; oligomeric mucus/gel-forming; anti-MUC5AC antibody

PRODUCT SPECIFICATIONS

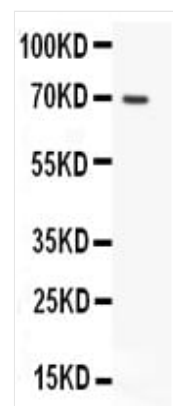
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	5654
Applicable Applications for anti-MUC5AC antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Mucin-5AC recombinant protein (Position: D4848-H5030).
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Mucin 5AC Picoband antibody, AAA46477, IHC(P)IHC(P): Human Gastric Cancer Tissue



WB (Western Blot)

Anti- Mucin 5AC Picoband antibody, AAA46477, Western blottingAll lanes: Anti Mucin 5AC (AAA46477) at 0.5ug/mlWB: Recombinant Human Mucin5A Protein 0.5ngPredicted bind size: 68KDObserved bind size: 68KD

ADDITIONAL INFORMATION

Related Product Information for anti-MUC5AC antibody	Description: Rabbit IgG polyclonal antibody for Mucin-5AC(MUC5AC) detection. Tested with WB, IHC-P in Human. Background: 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. MUC5AC is also a direct and critical mediator of resistance during intestinal nematode infection.
References	1. Hasnain, S. Z., Evans, C. M., Roy, M., Gallagher, A. L., Kindrachuk, K. N., Barron, L., Dickey, B. F., Wilson, M. S., Wynn, T. A., Grencis, R. K., Thornton, D. J. Muc5ac: a critical component mediating the rejection of enteric nematodes. J. Exp. Med. 208: 893-900, 2011. 2. Moehle, C., Ackermann, N., Langmann, T., Aslanidis, C., Kel, A., Kel-Margoulis, O., Schmitz-Madry, A., Zahn, A., Stremmel, W., Schmitz, G. Aberrant intestinal expression and allelic variants of mucin genes associated with inflammatory bowel disease. J. Molec. Med. 84: 1055-1066, 2006. 3. Wang G, Xu Z, Wang R, Al-Hijji M, Salit J, Strulovici-Barel Y, Tilley A, Mezey J, Crystal R (June 2012). "Genes associated with MUC5AC expression in small airway epithelium of human smokers and nonsmokers". BMC Med Genomics5 (1): 21.

NCBI AND UNIPROT INFORMATION

NCBI GI #	748983076
NCBI GeneID	4586
NCBI Accession #	NP_001291288.1
NCBI GenBank Nucleotide #	NM_001304359.1
UniProt Accession #	P98088; O60460; O76065; Q13792; Q14425; Q658Q1; Q7M4S5; Q8N4M9; Q8WWQ3; Q8WWQ4; Q8WWQ5; A0A096LPK4
Molecular Weight	585,570 Da
NCBI Official Full Name	mucin-5AC
NCBI Official Synonym Full Names	mucin 5AC, oligomeric mucus/gel-forming
NCBI Official Symbol	MUC5AC
NCBI Official Synonym Symbols	TBM; leB; MUC5; mucin
NCBI Protein Information	mucin-5AC
UniProt Protein Name	Mucin-5AC
UniProt Gene Name	MUC5AC
UniProt Synonym Gene Names	TBM
UniProt Entry Name	MUC5A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mucin-5ac-antibody-immunohistochemistry-western-blot-elisa/46477>