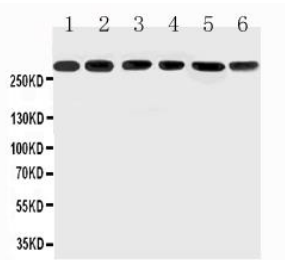

Product name:	MUCIN 5AC
Cat number:	AB-84263
Size:	100ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human Mucin 5AC(552-567aa TMQLFMQLAPKLRGQT).
Reactivity:	Hu
Applications:	Western blot: 0.1-0.5µg/ml Immunohistochemistry(Paraffin-embedded Section) 0.5-1µg/ml
Molecular Weight:	585570 MW
Purification:	Aff. Pur.
Form:	Liquid
Buffer:	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Storage:	At -20°C for one year. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
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.



Anti-Mucin 5AC antibody, All Western blotting All lanes: Anti-MUC5AC at 0.5ug/ml Lane 1: SGC Whole Cell Lysate at 40ug Lane 2: HELA Whole Cell Lysate at 40ug Lane 3: COLO320 Whole Cell Lysate at 40ug Lane 4: SW620 Whole Cell Lysate at 40ug Lane 5: MCF-7 Whole Cell Lysate at 40ug Lane 6: PANC Whole Cell Lysate at 40ug Predicted bind size: 527KD Observed bind size: 300KD

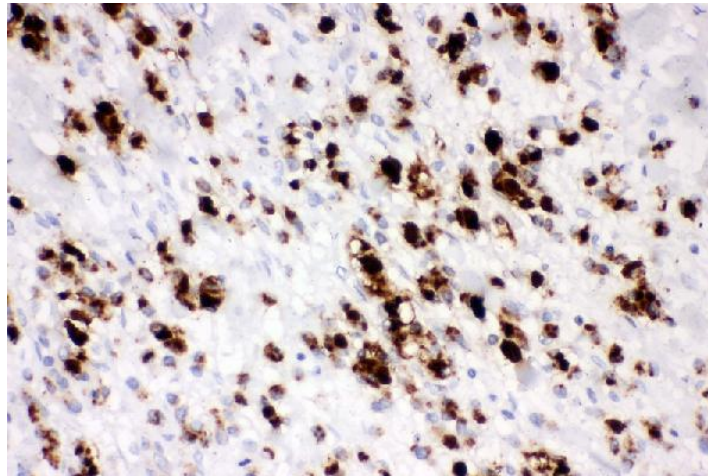


Figure 2. IHC analysis of Mucin 5AC using anti-Mucin 5AC antibody. Mucin 5AC was detected in paraffin-embedded section of human gastric cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitoperetrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 μ g/ml rabbit anti-Mucin 5AC Antibody overnight at 4 $^{\circ}$ C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 $^{\circ}$ C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.