

Basic Information

Product Name	Anti-MUC5AC Antibody		
Gene Name	MUC5AC		
Source	Rabbit		
Isotype	IgG		
Species Reactivity	human		
Tested Application	WB, IHC		
Contents	500 ug/ml antibody with PBS , 0.02% NaN ₃ , 1 mg BSA and 50% glycerol.		
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Mucin 5AC(552-567aa TMQLFMQLAPKLRGQT).		
concentration	500 ug/ml		
Purification	Immunogen affinity purified.		
Observed MW	585KD		
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.		

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

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.

Reference

Anti-MUC5AC Antibody被引用在1文献中。

Selected Validation Data

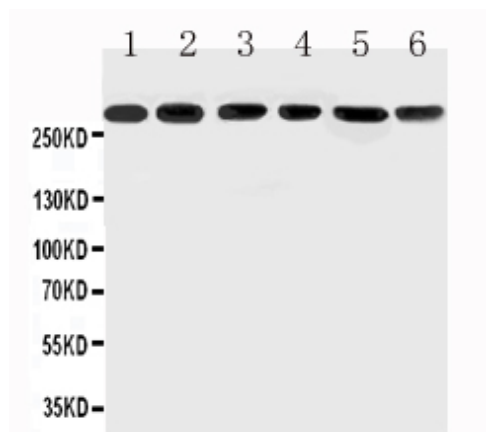


Figure 1. Western blot analysis of Anti-MUC5AC antibody (BA3293). The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: SGC whole cell lysates, Lane 2: HELA whole cell lysates, Lane 3: COLO320 whole cell lysates, Lane 4: SW620 whole cell lysates, Lane 5: MCF-7 whole cell lysates, Lane 6: PANC whole cell lysates. Use rabbit Anti-MUC5AC 1:1000, probed with a goat Anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for MUC5AC at approximately 300KD. The expected band size for MUC5AC is at 527KD.

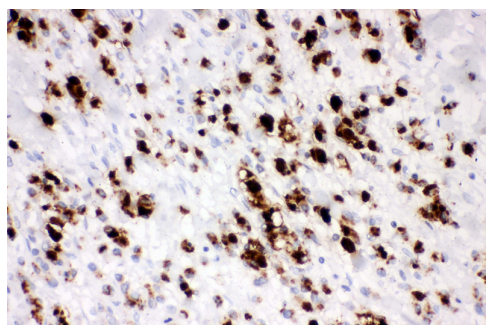


Figure 2. IHC analysis using Anti-MUC5AC antibody (BA3293) detected in paraffin-embedded section of human gastric cancer tissue. Biotinylated goat Anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.