

Rabbit MUC7 Polyclonal Antibody | anti-MUC7 antibody

Anti-MUC7 Picoband Antibody

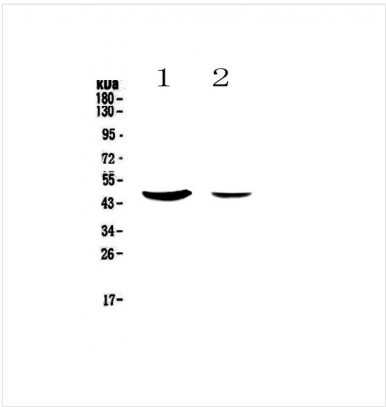
CATALOG # AAA124729	HOST Rabbit	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

MUC7; Polyclonal Antibody; Anti-MUC7 Picoband Antibody; Mucin-7; MUC-7; Apo-MG2; Salivary mucin-7; MG2; anti-MUC7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized; Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	377
Applicable Applications for anti-MUC7 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human MUC7 (QNKISRFLLYMKNLLNRIIDDMVEQ).
Species	Reacts with: Human
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)

Figure 1. Western blot analysis of MUC7 using anti-MUC7 antibody (AAA124729). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human SW620 whole cell lysates, Lane 2: human HepG2 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MUC7 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MUC7 at approximately 46KD. The expected band size for MUC7 is at 39KD.

ADDITIONAL INFORMATION

Related Product Information for anti-MUC7 antibody	Description: Mucin-7 is a protein that in humans is encoded by the MUC7 gene. This gene encodes a small salivary mucin, which is thought to play a role in facilitating the clearance of bacteria in the oral cavity and to aid in mastication, speech, and swallowing. The central domain of this glycoprotein contains tandem repeats, each composed of 23 amino acids. This antimicrobial protein has antibacterial and antifungal activity. The most common allele contains 6 repeats, and some alleles may be associated with susceptibility to asthma. Alternatively spliced transcript variants with different 5' UTR, but encoding the same protein, have been found for this gene. Protein Function: May function in a protective capacity by promoting the clearance of bacteria in the oral cavity and aiding in mastication, speech, and swallowing. Binds P.aeruginosa pili.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222418647
NCBI GeneID	4589
NCBI Accession #	NP_001138478.1
NCBI GenBank Nucleotide #	NM_001145006.1
UniProt Accession #	Q8TAX7; Q9UCD7; Q9UCD8
Molecular Weight	39,159 Da
NCBI Official Full Name	mucin-7
NCBI Official Synonym Full Names	mucin 7, secreted
NCBI Official Symbol	MUC7
NCBI Official Synonym Symbols	MG2
NCBI Protein Information	mucin-7
UniProt Protein Name	Mucin-7

UniProt Gene Name	MUC7
UniProt Synonym Gene Names	MG2; MUC-7

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/muc7-antibody-western-blot-elisa/124729>