

Rabbit MUC20 Polyclonal Antibody | anti-MUC20 antibody

Anti-MUC20 Antibody

CATALOG # AAA125170	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

MUC20; Polyclonal Antibody; Anti-MUC20 Antibody; FLJ14408; FLJ53153; KIAA1359mucin-20; MUC-20; mucin 20; cell surface associated; transmembrane mucin MUC20S MUC20 MUC-20 mucin 20; cell surface associated mucin-20|transmembrane mucin MUC20S; anti-MUC20 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized
Sequence Length	709
Applicable Applications for anti-MUC20 antibody	ELISA (Direct ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E.coli-derived human MUC20 recombinant protein (Position: S28-G709).
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	We recommend Enhanced Chemiluminescent Kit with anti-Rabbit IgG () for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit () for IHC(P).
Preparation and Storage	Store at -20C for one year from date of receipt. After reconstitution, at 4C for one month. It can also be aliquotted and stored frozen at -20C for six months. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Figure 3. IHC analysis of MUC20 using anti-MUC20 antibody. MUC20 was detected in paraffin-embedded section of mouse kidney tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MUC20 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of MUC20 using anti-MUC20 antibody. MUC20 was detected in paraffin-embedded section of human placenta tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MUC20 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of MUC20 using anti-MUC20 antibody. 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 HEK293 whole cell lysates Lane 2: human A549 whole cell lysates Lane 3: human HL-60 whole cell lysates Lane 4: human K562 whole cell lysates Lane 5: rat kidney tissue lysates Lane 6: mouse kidney tissue 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-MUC20 antigen affinity purified polyclonal antibody with Tanon 5200 system. A specific band was detected for MUC20 at approximately 75KD. The expected band size for MUC20 is at 75KD.

ADDITIONAL INFORMATION

Related Product Information for anti-MUC20 antibody	Description: Anti-MUC20 Antibody. Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. Background: Mucin-20 is a protein that in humans is encoded by the MUC20 gene. This gene encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins secreted by many epithelial tissues to form an insoluble mucous barrier. The C-terminus of this family member associates with the multifunctional docking site of the MET proto-oncogene and suppresses activation of some downstream MET signaling cascades. The protein features a mucin tandem repeat domain that varies between two and six copies in most individuals. Multiple variants encoding different isoforms have been found for this gene. A related pseudogene, which is also located on chromosome 3, has been identified.
References	1. "Entrez Gene: MUC20 mucin 20, cell surface associated". 2. Higuchi T, Orita T, Nakanishi S, Katsuya K, Watanabe H, Yamasaki Y, Waga I, Nanayama T, Yamamoto Y, Munger W, Sun HW, Falk RJ, Jennette JC, Alcorta DA, Li H, Yamamoto T, Saito Y, Nakamura M (Jan 2004). "Molecular cloning, genomic structure, and expression analysis of MUC20, a novel mucin protein, up-regulated in injured kidney". J Biol Chem. 279 (3): 1968-79.

NCBI AND UNIPROT INFORMATION

NCBI GI #	317373415
NCBI GeneID	200958
UniProt Accession #	Q8N307
NCBI Official Full Name	Mucin-20
NCBI Official Synonym Full Names	mucin 20, cell surface associated
NCBI Official Symbol	MUC20
NCBI Official Synonym Symbols	MUC-20
NCBI Protein Information	mucin-20
UniProt Protein Name	Mucin-20
UniProt Gene Name	MUC20
UniProt Synonym Gene Names	KIAA1359; MUC-20
UniProt Entry Name	MUC20_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.