

Rabbit MUC1 Polyclonal Antibody | anti-MUC1 antibody

MUC1 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23492	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Pig	Immunohistochemistry, Western Blot

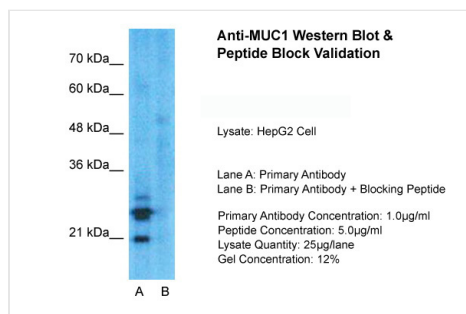
PRODUCT SYNONYMS

MUC1; Polyclonal Antibody; MUC1 antibody - C-terminal region; anti-MUC1 antibody

PRODUCT SPECIFICATIONS

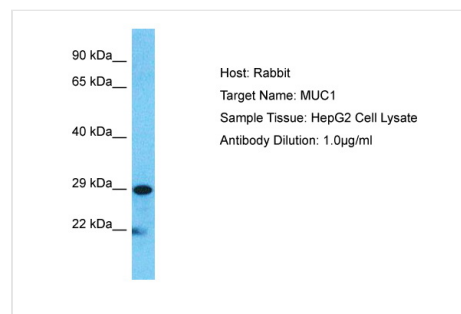
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Pig
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: GQ LDIFPARDTY HPMSEYPTYH THGRYVPSS TDRSPYEKVS AGNGGSSL
Sequence Length	203
Applicable Applications for anti-MUC1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 92%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human MUC1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



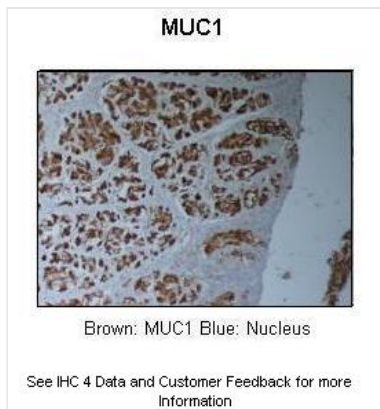
WB (Western Blot)

Host: Rabbit Target Name: MUC1 Sample Type: HepG2
Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide
Primary Antibody Concentration: 1 µg/ml Peptide Concentration: 5 µg/ml
Lysate Quantity: 25 µg/lane/lane Gel Concentration: 0.12



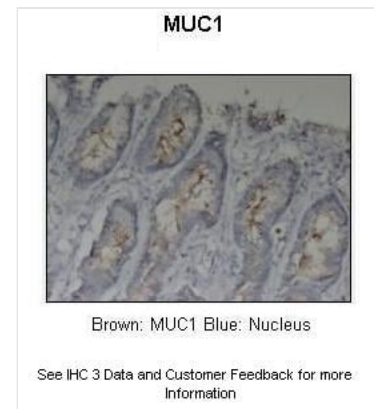
WB (Western Blot)

Host: Rabbit Target Name: MUC1 Sample Type: HepG2 Whole cell lysates
Antibody Dilution: 1.0 µg/ml



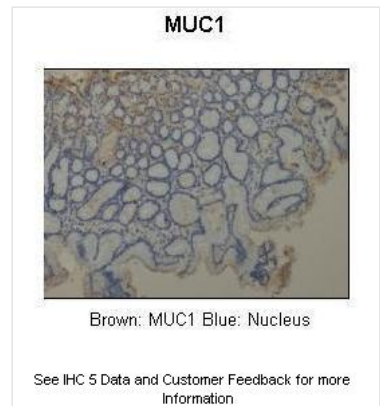
IHC (Immunohistochemistry)

Sample Type :Pig stomachPrimary Antibody Dilution :1:5000 + 1:2000Secondary Antibody :Anti-rabbit-HRPSecondary Antibody Dilution :1:1000Color/Signal Descriptions :Brown: MUC1 Blue: NucleusGene Name :MUC1Submitted by :Dr. Sara Linden, University of Gothenburg



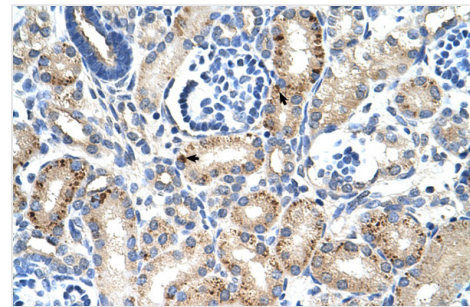
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IHC (Immunohistochemistry)

Sample Type :Human stomachPrimary Antibody Dilution :1:1000Secondary Antibody :Anti-rabbit-HRPSecondary Antibody Dilution :1:5000Color/Signal Descriptions :Brown: MUC1 Blue: NucleusGene Name :MUC1Submitted by :Dr. Sara Linden, University of Gothenburg



IHC (Immunohistochemistry)

Rabbit Anti-MUC1 AntibodyParaffin Embedded Tissue: Human KidneyCellular Data: Epithelial cells of renal tubuleAntibody Concentration: 4.0-8.0 ug/mlMagnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-MUC1 antibody	This is a rabbit polyclonal antibody against MUC1. It was validated on Western Blot and immunohistochemistry Target Description: MUC1 is a membrane bound, glycosylated phosphoprotein. The protein is anchored to the apical surface of many epithelia by a transmembrane domain, with the degree of glycosylation varying with cell type. It also includes a 20 aa variable number tandem repeat (VNTR) domain, with the number of repeats varying from 20 to 120 in different individuals. The protein serves a protective function by binding to pathogens and also functions in a cell signaling capacity. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas.
Product Categories/Family for anti-MUC1 antibody	Polyclonal; Membrane Protein; Transcription Regulation; Drugs and Drug Metabolism; Membrane & Traffic; Disease Related; DNA/RNA/Protein Interactions; Tissue Specific & Cell Marker; Immunohistochemistry; Acetylation; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	113206024
NCBI GeneID	4582
NCBI Accession #	NP_001037855
NCBI GenBank Nucleotide #	NM_001044390
UniProt Accession #	Q7Z552; P15941

Molecular Weight	22kDa
NCBI Official Full Name	mucin-1 isoform 5
NCBI Official Synonym Full Names	mucin 1, cell surface associated
NCBI Official Symbol	MUC1
NCBI Official Synonym Symbols	EMA; MCD; PEM; PUM; KL-6; MAM6; MCKD; PEMT; CD227; H23AG; MCKD1; MUC-1; ADMCKD; ADMCKD1; CA 15-3; MUC-1/X; MUC1/ZD; MUC-1/SEC
NCBI Protein Information	mucin-1

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/muc1-antibody-immunohistochemistry-western-blot-elisa/23492>