

Mouse Mucin 1 Monoclonal Antibody | anti-MUC1 antibody

Mucin 1 antibody

CATALOG # AAA106303	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

Mucin 1; Monoclonal Antibody; Mucin 1 antibody; Monoclonal Mucin 1; Anti Mucin 1; MU-1c; Mucin-1; Anti MUC1; MU 1c; anti-MUC1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	BC-2
Specificity	Human milk fat globuline membrane
Form/Format	Affinity purified antibody supplied as a liquid containing 0.09% NaN3
Concentration	1.0ml (varies by lot)
Sequence Length	475
Applicable Applications for anti-MUC1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	Mucins are heavily glycosylated proteins which constitute the major components of mucus covering the surface of epithelial tissues. Nine distinct epithelial mucin genes (Muc-1, 2, 3, 4, 5AC, 5B, 6, 7 and 8) have been identified. Various immunohistochemical and in situ hybridization studies have reported that these mucins are differentially expressed in epithelia with cell-type specificity. In gastric cancer, alterations in mucin polypeptide expression have been reported, including the loss of expression of Muc-5AC glycoprotein, increased mucin heterogeneity, glycosylation changes and the expression of simple mucin-type carbohydrates.
Cross-Reactivity	Human
Immunogen	Human milk fat globulin membrane preparation
Preparation and Storage	Store at 4°C short term. Store at -20°C long term. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Product Categories/Family for anti-MUC1 antibody	Immunology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	324120956
NCBI GeneID	4582
NCBI Accession #	NP_001191214.1
NCBI GenBank Nucleotide #	NM_001204285.1
UniProt Accession #	P15941 ; P13931 ; P15942 ; P17626 ; A5YRV1 ; A6ZID9 ; A6ZIE0 ; B1AVQ8 ; B1AVR0 ; B6ECA1 ; E7ESE5 ; E7EUG9

NCBI Official Full Name	mucin-1 isoform 9
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
UniProt Protein Name	Mucin-1
UniProt Gene Name	MUC1
UniProt Synonym Gene Names	PUM; MUC-1; CA 15-3; KL-6; PUM; PEM; EMA; MUC1-NT; MUC1-alpha; MUC1-beta
UniProt Entry Name	MUC1_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mucin-1-antibody-clone-bc-2-western-blot-immunohistochemistry-elisa/106303>