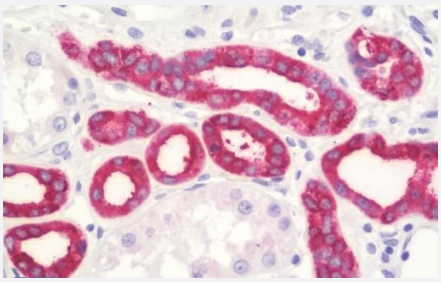
CellTx™

MUC1 monoclonal antibody, clone VU-4H5

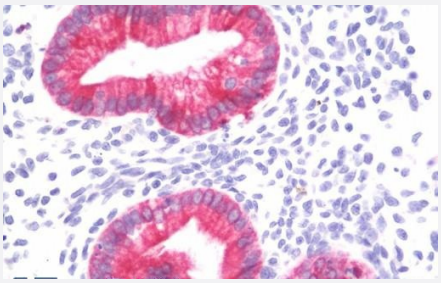
Catalog # MAB23723 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Anti-MUC1 antibody IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Anti-MUC1 antibody IHC staining of human uterus, endometrium. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human MUC1.
Immunogen	A synthetic peptide corresponding to 60mer tandem repeat 20 amino acids of human MUC1.
Sequence	VTSAPDTRPAPGSTAPPAHG
Host	Mouse
Reactivity	Human
Form	Liquid

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Purification	purification
Isotype	IgG1
Recommend Usage	ELISA Immunohistochemistry Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10 ug/mL) Immunohistochemistry (Frozen Western blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide).
Storage Instruction	Store at 4°C or -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Anti-MUC1 antibody IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Anti-MUC1 antibody IHC staining of human uterus, endometrium. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

- Immunohistochemistry (Frozen sections)
- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay
- Western Blot

Gene Info — MUC1

Entrez GeneID	4582
Protein Accession#	P15941

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Gene Name	MUC1
Gene Alias	CD227, EMA, H23AG, MAM6, PEM, PEMT, PUM
Gene Description	mucin 1, cell surface associated
Omim ID	158340
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the mucin family and encodes 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. Multiple alternatively spliced transcript variants that encode different isoforms of this gene have been reported, but the full-length nature of only some has been determined. [provided by RefSeq
Other Designations	DF3 antigen|H23 antigen|MUC-1/SEC|MUC-1/X|MUC1/ZD|OTTHUMP00000033787|OTTHUMP00000033790|OTTHUMP00000033795|breast carcinoma-associated antigen DF3|episialin|mucin 1|mucin 1, transmembrane|peanut-reactive urinary mucin|polymorphic epithelial mucin|tumor as

Disease

- Adenocarcinoma
- Asthma
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Breast cancer
- Breast Neoplasms
- Bronchiolitis
- Carcinoma
- Chronic Disease
- Disease Susceptibility
- Gastritis
- Genetic Predisposition to Disease

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- Helicobacter Infections
- Infant
- Kidney Failure
- Lung Diseases
- Lung Neoplasms
- Metaplasia
- NARP
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Prostate cancer
- Prostatic Neoplasms
- Respiratory Syncytial Virus Infections
- Sarcoidosis
- Stomach Neoplasms

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