

MUC1 polyclonal antibody (A01)

Catalog # H00004582-A01

Size 50 uL

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant MUC1.
Immunogen	MUC1 (NP_877418.1, 315 a.a. ~ 420 a.a) partial recombinant protein with GST tag.
Sequence	NSSLEDPSTDYYQELQRDISEMFLQYKQGGFLGLSNIKFRPGSVVVQLTLAFREGTINVHDMETQF NQYKTEAASRYNLTISDVSVDVPPFSAQSGAGVPGWG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88%); Rat (80%)
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — MUC1

Entrez GeneID	4582
GeneBank Accession#	NM_182741.1
Protein Accession#	NP_877418.1
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

Publication Reference

- [EXTRACELLULAR AND MEMBRANE-ASSOCIATED PROSTATE CANCER MARKERS.](#)

George G. Klee, George Vasmatazis, Farhad Kosari, Eric W. Klee

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Application: Array, Mammal, Prostate cancer

Disease

- [Adenocarcinoma](#)
- [Asthma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)

- [Carcinoma](#)
- [Chronic Disease](#)
- [Disease Susceptibility](#)
- [Gastritis](#)
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- [Helicobacter Infections](#)
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- [Kidney Failure](#)
- [Lung Diseases](#)
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- [Metaplasia](#)
- [NARP](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
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- [Stomach Neoplasms](#)