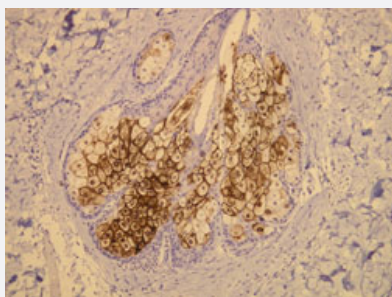


MUC1 monoclonal antibody, clone G22-L

Catalog # MAB15938 Size 200 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of sebaceous glands of human skin with MUC1 monoclonal antibody, clone G22-L (Cat # MAB15938).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human MUC1.
Immunogen	A synthetic peptide corresponding to C-terminus of human MUC1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	EVAC purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl buffer, pH 8.0 (20 mg/mL BSA, 0.05% Sodium Azide).
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of sebaceous glands of human skin with MUC1 monoclonal antibody, clone G22-L (Cat # MAB15938).

Gene Info — MUC1

Entrez GeneID [4582](#)

Protein Accession# [P15941](#)

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

- [MUC1 as a discriminator between endometrium from fertile and infertile patients with PCOS and endometriosis.](#)

Margarit L, Taylor A, Roberts MH, Hopkins L, Davies C, Brenton AG, Conlan RS, Bunkheila A, Joels L, White JO, Gonzalez D. The Journal of Clinical Endocrinology and Metabolism 2010 Dec; 95(12):5320.

Application: IHC-P, WB-Ti, Human, Human endometrial biopsy specimens

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](#)
- [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](#)