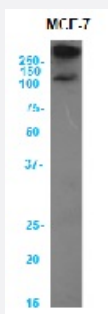


RecomAb™

MUC1 recombinant monoclonal antibody, clone HMFG2

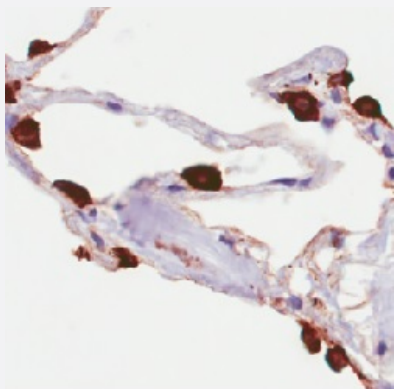
Catalog # RAB03713 Size 200 ug

Applications



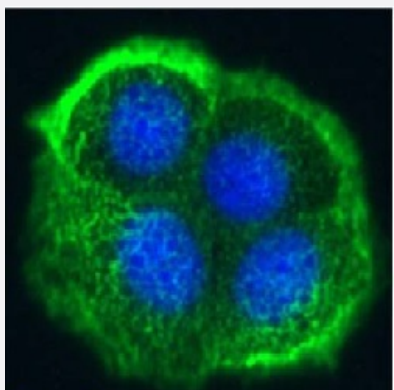
Western Blot

Western blot analysis of MUC1 in MCF-7 cell lysates using human anti-MUC1 recombinant monoclonal antibody, clone HMFG2 (Cat # RAB02786).



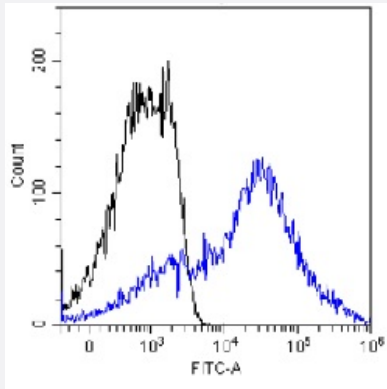
Immunohistochemistry

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of human lung tissue with MUC1 recombinant monoclonal antibody, clone HMFG2 (Cat # RAB02786).



Immunofluorescence

Immunofluorescence analysis of MUC1 (green) in MCF-7 cell lysates using human anti-MUC1 recombinant monoclonal antibody, clone HMFG2 (Cat # RAB02786), and DAPI (blue).



Flow Cytometry

Flow-cytometry analysis of MUC1 in MCF-7 cell lysates using human anti-MUC1 recombinant monoclonal antibody, clone HMFG2 (Cat # RAB02786).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against high-MW glycoprotein of the human milk fat globule.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to high-MW glycoprotein of the human milk fat globule
Reactivity	Human
Form	Liquid
Conjugation	Unconjugated
Concentration	batch dependent
Isotype	IgG lambda
Recommend Usage	ELISA Flow cytometry Immunofluorescence Immunohistochemistry Imaging Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Western blot analysis of MUC1 in MCF-7 cell lysates using human anti-MUC1 recombinant monoclonal antibody, clone HMFG2 (Cat # RAB02786).

- Immunohistochemistry

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of human lung tissue with MUC1 recombinant monoclonal antibody, clone HMFG2 (Cat # RAB02786).

- Immunofluorescence

Immunofluorescence analysis of MUC1 (green) in MCF-7 cell lysates using human anti-MUC1 recombinant monoclonal antibody, clone HMFG2 (Cat # RAB02786), and DAPI(blue).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow-cytometry analysis of MUC1 in MCF-7 cell lysates using human anti-MUC1 recombinant monoclonal antibody, clone HMFG2 (Cat # RAB02786).

- *In vivo* Imaging

Gene Info — MUC1

Entrez GeneID	4582
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Protein Accession#	P15941
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Gene Name	MUC1
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Gene Alias	CD227, EMA, H23AG, MAM6, PEM, PEMT, PUM
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Gene Description	mucin 1, cell surface associated
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Omim ID	158340
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Gene Ontology	Hyperlink
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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](#)
- [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](#)