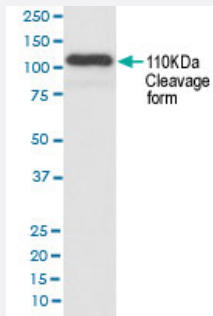


MUC2 monoclonal antibody, clone AAEO-13

Catalog # MAB20215 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Caco-2 cell lysate with MUC2 monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human MUC2.
Immunogen	A synthetic peptide corresponding to human MUC2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Caco-2 cell lysate with MUC2 monoclonal antibody.

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

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

- Flow Cytometry

Gene Info — MUC2

Entrez GeneID[4583](#)**Protein Accession#**[Q02817](#)**Gene Name**

MUC2

Gene Alias

MLP, SMUC

Gene Description

mucin 2, oligomeric mucus/gel-forming

Omim ID[158370](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

This gene encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins produced by many epithelial tissues. The protein encoded by this gene is secreted and forms an insoluble mucous barrier that protects the gut lumen. The protein polymerizes into a gel of which 80% is composed of oligosaccharide side chains by weight. The protein features a central domain containing tandem repeats rich in threonine and proline that varies between 50 and 115 copies in different individuals. Alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq]

Other Designations

mucin 2|mucin 2, intestinal/tracheal|mucin-like protein

Pathway

- [Vibrio cholerae infection](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Lung Diseases](#)
- [Otitis Media](#)
- [Otitis Media with Effusion](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)