

MUC1 Rabbit mAb

Catalog No.: A19081 **Recombinant** **3 Publications**

Basic Information

Observed MW

25kDa/200kDa

Calculated MW

122kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0352

Background

This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. These proteins also play a role in intracellular signaling. This protein is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung, breast stomach and pancreas. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas. This gene is known to contain a highly polymorphic variable number tandem repeats (VNTR) domain. Alternate splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:500 - 1:1000**IHC-P** 1:50 - 1:200

Immunogen Information

Gene ID

4582

Swiss Prot

P15941

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1156-1255 of human MUC1 (P15941).

Synonyms

EMA; MCD; PEM; PUM; KL-6; MAM6; MCKD; PEMT; CD227; H23AG; MCKD1; MUC-1; ADMCKD; ADTKD2; Ca15-3; ADMCKD1; CA 15-3; MUC-1/X; MUC1/ZD; MUC-1/SEC; MUC1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

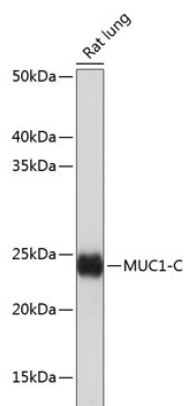
Affinity purification

Storage

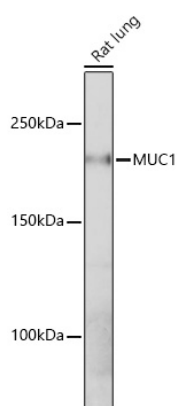
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

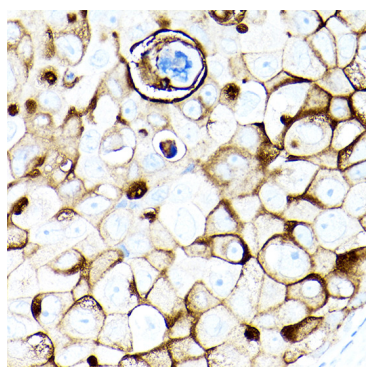
Validation Data



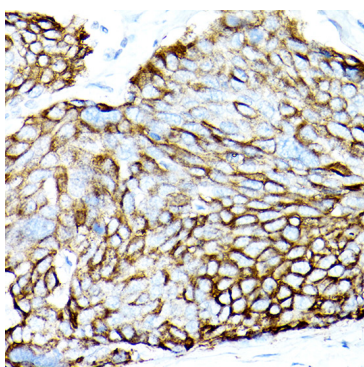
Western blot analysis of lysates from Rat lung, using MUC1 Rabbit mAb (A19081) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.



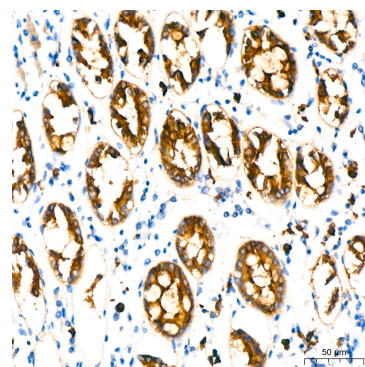
Western blot analysis of lysates from Rat lung, using MUC1 Rabbit mAb (A19081) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 1min.



Immunohistochemistry analysis of MUC1 in paraffin-embedded human breast cancer using MUC1 Rabbit mAb (A19081) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

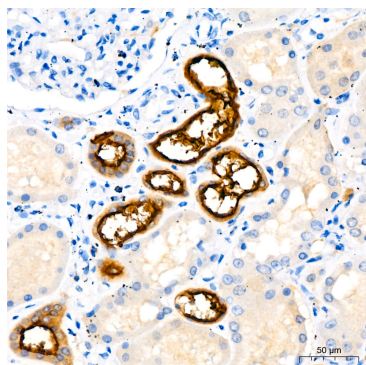


Immunohistochemistry analysis of MUC1 in paraffin-embedded Human cervical squamous cell carcinoma using MUC1 Rabbit mAb (A19081) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

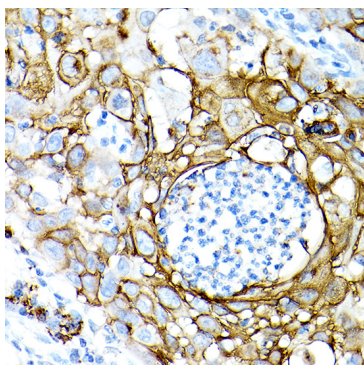


Immunohistochemistry analysis of MUC1 in paraffin-embedded human colon using MUC1 Rabbit mAb (A19081) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

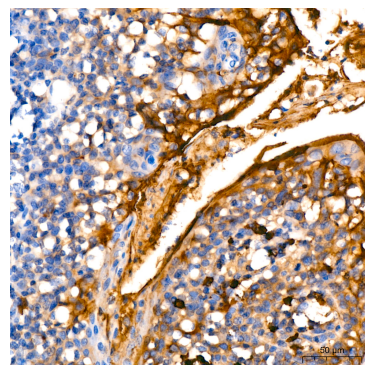
Validation Data



Immunohistochemistry analysis of MUC1 in paraffin-embedded human kidney using MUC1 Rabbit mAb (A19081) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of MUC1 in paraffin-embedded human lung cancer using MUC1 Rabbit mAb (A19081) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of MUC1 in paraffin-embedded human tonsil using MUC1 Rabbit mAb (A19081) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.