

Anti-Mucin 1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

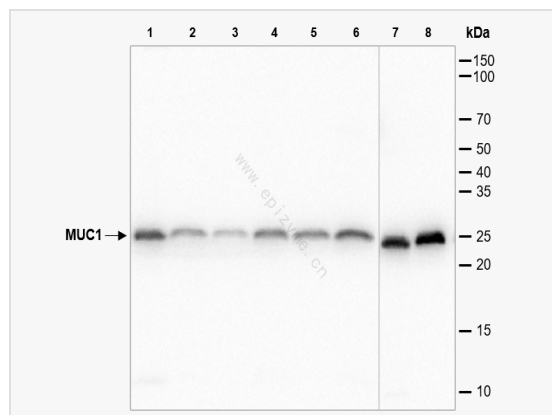
Catalog # R010516

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Mouse, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	34L25M94
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human MUC1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Mucin 1 Rabbit mAb [34L25M94] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	MUC1, PUM, Mucin-1, MUC-1, Breast carcinoma-associated antigen DF3, Carcinoma-associated mucin, Episialin, H23AG, Krebs von den Lungen-6, KL-6, PEMT, Peanut-reactive urinary mucin, PUM, Polymorphic epithelial mucin, PEM, Tumor-associated ep.
Calculated MW	Calculated MW: 122 kDa; Observed MW: 25 kDa
Uniprot ID	P15941
Gene ID	4582
Background	This gene is a member of the mucin family and encodes a membrane bound, glycosylated phosphoprotein. This protein is anchored to the apical surface of many epithelia by a transmembrane domain, with the degree of glycosylation varying with cell type. The protein serves a protective function, binding to pathogens, as well as functioning in a cell signaling capacity.



Western Blot - Anti-Mucin 1 Rabbit mAb [34L25M94]

All lanes: R010516 at 1:1,000 dilution

Lane 1: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 2: SCC-9 (human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 3: U2OS (human osteosarcoma epithelial cell) whole cell lysates

Lane 4: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 5: 293T (human embryonic kidney cell) whole cell lysates

Lane 6: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 7: Balb/c mouse kidney whole tissue lysates

Lane 8: Balb/c mouse brain whole tissue lysates

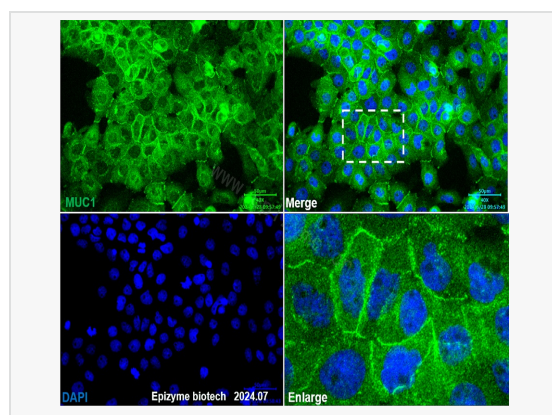
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 122 kDa

Observed band size: 25 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Mucin 1 Rabbit mAb [34L25M94]

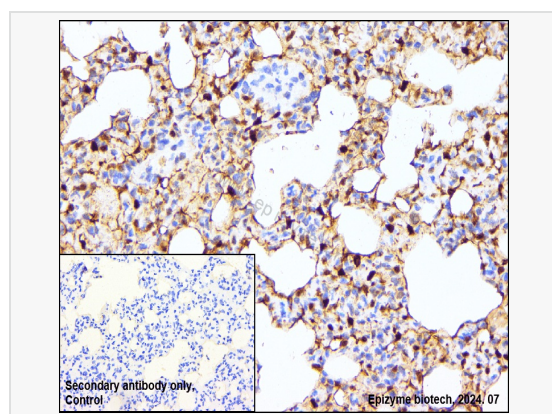
Sample: A431 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R010516 at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-Mucin 1 Rabbit mAb [34L25M94]

Sample: Paraformaldehyde-fixed, paraffin embedded rat lung tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R010516 at 1:200 dilution

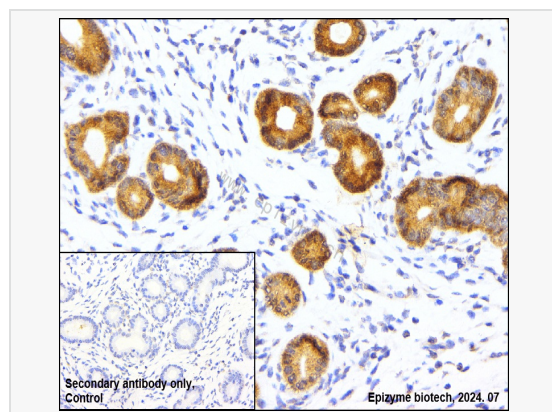
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Mucin 1 Rabbit mAb [34L25M94]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse uterus tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R010516 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.