
MUC1 Rabbit pAb

Catalog Number: bs-1497R

Target Protein: MUC1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG2b

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted MW: 20/138 kDa

Entrez Gene: 4582

Swiss Prot: P15941

Source: KLH conjugated synthetic peptide derived from human MUC1: 1101-1255/1255.

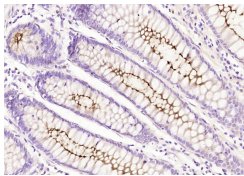
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

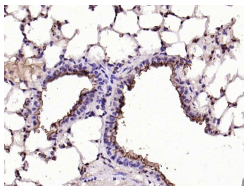
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and overexpressed abundantly in >90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-met receptors and localize with erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells.

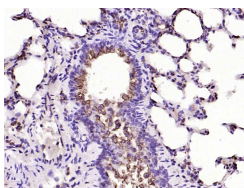
VALIDATION IMAGES



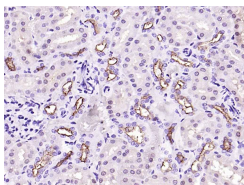
Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MUC1) Polyclonal Antibody, Unconjugated (bs-1497R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



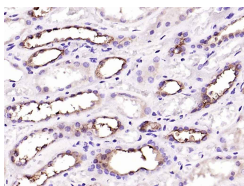
Paraformaldehyde-fixed, paraffin embedded (mouse lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MUC1) Polyclonal Antibody, Unconjugated (bs-1497R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



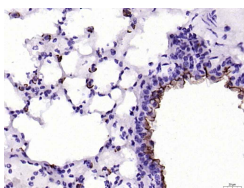
Paraformaldehyde-fixed, paraffin embedded (rat lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MUC1) Polyclonal Antibody, Unconjugated (bs-1497R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MUC1) Polyclonal Antibody, Unconjugated (bs-1497R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MUC1) Polyclonal Antibody, Unconjugated (bs-1497R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MUC1) Polyclonal Antibody, Unconjugated (bs-1497R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=20.5] Ni Zixin. et al. Influenza virus uses mGluR2 as an endocytic receptor to enter cells. NAT MICROBIOL. 2024 Jun;;1-14 IF ; Mouse . 38849624

[IF=8.46] Taki, K., et al. "GNASR201H and KrasG12D cooperate to promote murine pancreatic tumorigenesis recapitulating human intraductal papillary mucinous neoplasm." Oncogene 35.18 (2016): 2407-2412. IHC ; ="Mouse" . 26257060

[IF=7.1] Kiyoshi Saeki. et al. Acvr1b Loss Increases Formation of Pancreatic Precancerous Lesions From Acinar and Ductal Cells of Origin. CELL MOL GASTROENTER. 2024 Jan;18:101387 IHC ; Mouse . 39111635

[IF=3.101] Cao Y et al. Detection of three tumor biomarkers in human lung cancer serum using single particle ICP-MS combined with

magnetic immunoassay. Spectrochimica Acta Part B: Atomic Spectroscopy, 105797 (2020). Other ; . doi:10.1016/j.sab.2020.105797

[IF=2.32] Chen ZZ et al. An improved class of fluorescent silica nanoparticles for indirect immunofluorescence detection of MCF-7 cells. Optical Materials 88 (2019) 147–154. ICC ; Human . 10.1016/j.optmat.2018.11.019