

MUC4 Rabbit pAb

Catalog Number: bs-1994R

Target Protein: MUC4

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse (predicted:Rat, Pig, Cow, GuineaPig, Horse)

Predicted MW: 80 kDa

Entrez Gene: 4585

Swiss Prot: Q99102

Source: KLH conjugated synthetic peptide derived from human Mucin-4 beta chain: 1501-1613/2169.

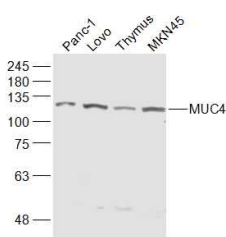
Purification: affinity purified by Protein A

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

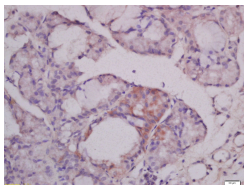
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These glycoproteins play important roles in the protection of the epithelial cells and have been implicated in epithelial renewal and differentiation. This gene encodes an integral membrane glycoprotein found on the cell surface, although secreted isoforms may exist. At least two dozen transcript variants of this gene have been found, although for many of them the full-length transcript has not been determined or they are found only in tumor tissues. This gene contains a region in the coding sequence which has a variable number (>100) of 48 nt tandem repeats. [provided by RefSeq].

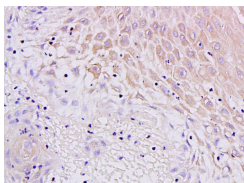
VALIDATION IMAGES



Sample: Panc-1(Human) Cell Lysate at 30 ug Lovo(Human) Cell Lysate at 30 ug Thymus (Mouse) Lysate at 40 ug MKN45(Human) Cell Lysate at 30 ug Primary: Anti-MUC4 (bs-1994R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 80 kD Observed band size: 120 kD



Paraformaldehyde-fixed, paraffin embedded (Human lung carcinom); 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 (Muc4) Polyclonal Antibody, Unconjugated (bs-1994R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human oral squamous cell 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 (Muc4) Polyclonal Antibody, Unconjugated (bs-1994R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.545] Chae Eun Kim. et al. Cevimeline-induced anti-inflammatory effect through upregulations of mucins in the ocular surface of a dry eye mouse model. Biomed Pharmacother. 2021 Jul;139:111571 IF ; Mouse . 33857915

[IF=3.1] Haitao Zhang. et al. Extract of Sophorae flavescentis radix–Cnidii fructus couplet medicines treats vulvovaginal candidiasis by affecting the vaginal mucosal barrier. FUTURE MICROBIOL. 2023 Sep 05 WB ; Mouse . 37668465