

**bs-1994R****[ Primary Antibody ]****MUC4 Rabbit pAb****BioSS**  
**ANTIBODIES**

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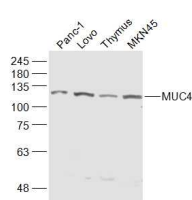
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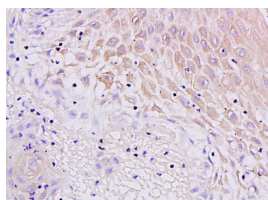
400-901-9800

**— DATASHEET —**

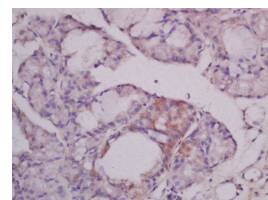
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 4585	<b>SWISS:</b> Q99102	<b>IHC-F</b> (1:100-500)
<b>Target:</b> MUC4		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Mucin-4 beta chain: 1501-1613/2169.		<b>Reactivity:</b> Human, Mouse (predicted: Rat, Pig, Cow, GuineaPig, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 80 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Secreted ,Cell membrane
<b>Background:</b> 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 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.



Paraformaldehyde-fixed, paraffin embedded  
(Human lung 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.

**— SELECTED CITATIONS —**

- **[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=5.4]** Yu Li. et al. Multi-omics approaches reveal the therapeutic mechanism of Naoxintong Capsule against ischemic stroke. J ETHNOPHARMACOL. 2025 Feb;;119435 IF ;Mouse. 39909118

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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