

Anti-Mucin-4/MUC4 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Pig, Cow, Horse, Guinea Pig)
Molecular Weight:	Theoretical: 80 kDa. Actual: 120 kDa.
Purification:	Protein A purified

Applications

1. Sample:

Panc-1 (Human) Cell Lysate at 30 µg

LOVO (Human) Cell Lysate at 30 µg

Thymus (Mouse) Lysate at 40 µg

MKN45 (Human) Cell Lysate at 30 µg

Primary: Anti-MUC4 (TMAB-01187) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

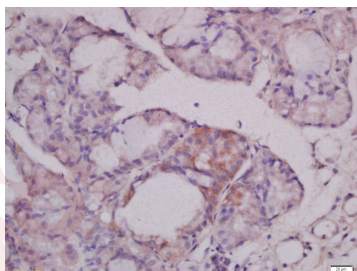
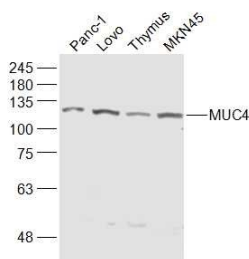
Predicted band size: 80 kDa

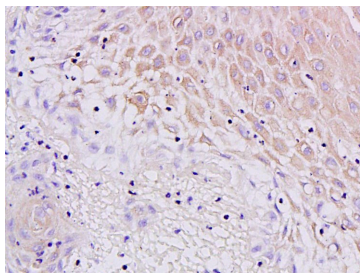
Observed band size: 120 kDa

Verified Activity:

2. Paraformaldehyde-fixed, paraffin embedded (Human lung carcinom); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Muc4) Polyclonal Antibody, Unconjugated (TMAB-01187) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.

3. Paraformaldehyde-fixed, paraffin embedded (Human oral squamous cell carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Muc4) Polyclonal Antibody, Unconjugated (TMAB-01187) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Mucin-4 beta chain

Antigen Species: Human

Gene ID: 4585

Uniprot ID: Q99102

Synonyms: MUC-4;Ascites sialoglycoprotein (ASGP);Muc4;Mucin-4;Pancreatic adenocarcinoma mucin; Testis mucin

Biology Area: MUC,Tumor antigens,Tumor-associated antigens,Defensin,MUC

Research 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].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481
