



## Anti-MUC1 (a.a. 1094-1140), Chicken-Polyclonal Antibody

**Catalog No.** PY-10167

**Antigen species:** Human

**Host species:** Chicken

**Quantity:** 100µg

**Reactivity:** Human, Mouse, Rat

**Form:** Antigen affinity purified antibody

**Applications tested:** Western Blot

### Target description

CD227 (MUC1) is a large, transmembrane mucin glycoprotein expressed at the apical surface of a variety of reproductive tract epithelia. MUC1 is an effective inhibitor of both cell-cell and cell-extracellular matrix interactions in both normal and malignant contexts.

### Antigen

This polyclonal antibody was raised by immunizing chicken with a human MUC1 fusion protein (1094~1140 amino acids).

### Application

Western blotting, tissue or cell immunostaining. Recommended starting dilution for Western blot analysis is 1:5000(ECL method), for tissue or cell staining is 1:200. Optimal working dilutions must be determined by the end user.

### Related Products

Anti-Tumor endothelial marker 1 (TEM1 or endosialin), Rabbit-Poly, GB-10374

KDa

31 —

24 —

19 —

← Muc1 fusion protein

### Western blot Protocol

1. Block membrane with 5% non-fat milk in PBS-T for 1 hour at room temperature or longer at 4°C.
2. Incubate membrane with IgY antibodies at dilution of 1: 2,000 with 1% milk in PBS-T at R.T. for 1 h.
3. Rinse 3 times with PBS-T, then wash membrane with PBS-T, 5 min each, total of 3 times.
4. Incubate with 2nd antibody (goat-anti-IgY/Fc-HRP) at dilution 1:1,000 for ECL (with 1% milk PBS-T) at R.T. for 1h.
5. Rinse 3 times with PBS-T, then wash with PBS-T, 5 min each with shaking, total of 3 times.
6. Perform ECL detection of signal using Pierce ECL kit.

### Storage

It is supplied as antigen affinity purified antibody in lyophilized powder. Redissolve the powder with 100 microliter sterile water will restore to the original concentration 1mg/ml (1xPBS/0.01% NaN<sub>3</sub>). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

### References

1. Ligtenberg, M.J., Vos, H.L., Gennissen, A.M. and Hilkens, J. Episialin, a carcinoma-associated mucin, is generated by a polymorphic gene encoding splice variants with alternative amino termini J. Biol. Chem. 265 (10), 5573-5578 (1990)

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