



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% NaN₃). 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 Hilken, 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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