



Genesis Biotech Inc.

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Anti-CD44, Chicken-Polyclonal Antibody

Catalog No. PY-10175 **Quantity:** 100 µg **Antigen species:** Human
Reactivity: Human **Applications tested:** Western blot, IHC **Host species:** Chicken
Conjugate: unconjugated **Type:** polyclonal antibody **Form:** Affinity-purified antibody

Target description

CD44 is a main cell surface receptor for hyaluronate. Adhesion to mucosal high endothelial venule and to types I and VI collagen. Probably involved in matrix adhesion, lymphocyte activation and lymph node homing.

Antigen

This polyclonal antibody was raised by immunizing chicken with CD44 fusion protein (361-540 amino acids).

Application

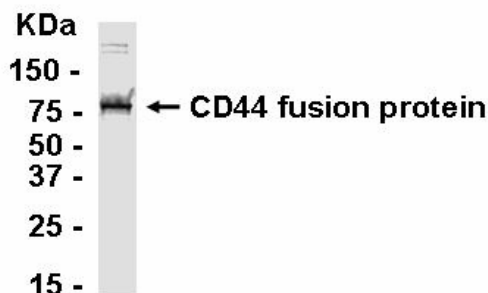
Western blotting, tissue or cell immunostaining. Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining is 1: 200. Optimal working dilutions must be determined by the end user.

Related Products

Anti-8-OHdG, Rabbit-Poly PY-52004
Anti-Cytokeratin 8(KRT8), Chicken-Poly PY-10149
Anti- Cytokeratin 18(KRT18), Chicken-Poly PY-10150
Anti-BCL2-binding protein, Chicken-Poly PY-10151
Anti-Toll-like receptor 2, Chicken-Poly PY-10152
Anti-Toll-like receptor 3, Chicken-Poly PY-10154
Anti-CD14, Chicken-poly, PY-10192
Anit-CD29, Chicken-poly, PY-10182

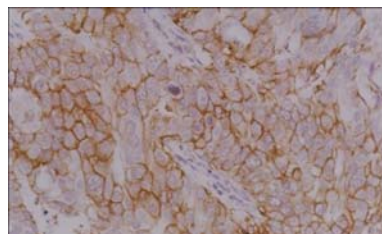
References

1. Cywes, C.; Wessels, M. R. : Group A Streptococcus tissue invasion by CD44-mediated cell signalling. Nature 414: 648-652, 2001.



Western blot Procedure

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 @ 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) @ R.T. for 1 h.
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.



DAB method Tissue Staining:

CD44, 1DC

Storage

It is supplied as affinity purified antibody/ PBS buffer in lyophilized powder. Redissolve the powder with 100µL sterile water will restore to the original concentration 1mg/mL. Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

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