



Anti-Podocalyxin-like protein (PODXL, a.a.36-236), Chicken-Polyclonal Antibody

Catalog No. PY-10222
Antigen species: Human
Host species: Chicken

Quantity: 100 μ g
Reactivity: Human
Form: Antigen affinity purified antibody

Applications: Western blot

Target description

Podocalyxin-like protein (PCLP) is a transmembrane sialomucin that is similar in structure to the well-characterized L-selectin ligand CD34. PCLP has been shown previously to be expressed on the foot processes of podocytes in the kidney glomerulus as well as on vascular endothelium at some sites.

Antigen

This polyclonal antibody was raised by immunizing chicken with human podocalyxin-like fusion protein (36~236 amino acids).

Application

Western Blot, Tissue staining, ELISA. 1:3000 or up for Western Blot. Optimal working dilutions must be determined by the end user.

Related Products

1. Anti-Amyloid β (1-40), rabbit pAb (GB-10536)
2. Anti-Amyloid β (37-42), rabbit pAb (GB-10370)
3. Anti-Taxol, rabbit pAb (PG-10007)
4. Anti-Troponin I (TNNI3), chicken pAb (PY-10206)
5. Anti-Troponin I (49-92), chicken pAb (PY-10269)



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: 5,000 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 1:10,000 for ECL (with 1% milk PBS-T) at 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.

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 (1 \times PBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

References

1. Sasseti, C., Tangemann, K., Singer, M.S., Kershaw, D.B., Rosen, S.D. Identification of podocalyxin-like protein as a high endothelial venule ligand for L-selectin: parallels to CD34. *J Exp Med.* 1998 Jun 15; 187(12):1965-75.
2. Kershaw, D.B., Wiggins, J.E., Wharram, B.L., Wiggins, R.C. Assignment of the human podocalyxin-like protein (PODXL) gene to 7q32-q33. *Genomics.* 1997 Oct 1; 45(1):239-40.