



Anti-CXC chemokine ligand 16(CXCL16), Chicken-Polyclonal Antibody

Catalog No. PY-10059
Antigen species: Human
Host species: Chicken

Quantity: 100µg
Reactivity: Human
Form: Antigen affinity purified antibody

Applications: Western blot

Target description

Acts as a scavenger receptor on macrophages, which specifically binds to OxLDL (oxidized low density lipoprotein), suggesting that it may be involved in pathophysiology such as atherogenesis (By similarity). Induces a strong chemotactic response. Induces calcium mobilization. Binds to CXCR6/Bonzo. It is a type I membrane protein (Potential). Also exists as a soluble form. Expressed in spleen, lymph nodes, lung, kidney, small intestine and thymus. Weak expression in heart and liver and no expression in brain and bone marrow.

Antigen

This polyclonal antibody was raised by immunizing chicken with CXCL-16 recombinant protein (46-92 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

1. Anti-Interleukin-1 beta, pAb (PY-10003).
2. Anti-Interleukin-8, pAb (PY-10004)
3. Anti-Interleukin-10, pAb (PY-10005)
4. Anti-Interleukin-16, pAb (PY-10006)
5. Anti-Interleukin-17, pAb (PY-10007)



E. coli-derived fusion protein as test antigen.

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

References:

1. Shimaoka, T., Nakayama, T., Kume, N., Takahashi, S., Yamaguchi, J., et al. Cutting edge: SR-PSOX/CXC chemokine ligand 16 mediates bacterial phagocytosis by APCs through its chemokine domain. *J. Immunol.* 171 (4), 1647-1651 (2003)