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Anti- Haptoglobin beta chain, Chicken-Polyclonal Antibody

Catalog No. PY-10125 **Quantity:** 100μg **Applications tested:** Western Blot
Antigen species: Human **Reactivity:** Human
Host species: Chicken **Form:** Antigen affinity purified antibody

Target description

Haptoglobin is a positive acute phase protein that binds free hemoglobin and removes it from the circulation to prevent kidney injury, and iron lossfollowing hemolysis. Three major haptoglobin phenotypes are known to exist (Hp 1-1, Hp 2-1, and Hp 2-2). Hp 1-1 is biologically the most effective in binding free hemoglobin and suppressing inflammatory responses associated with free hemoglobin. Hp 2-2 is biologically the least active, and Hp 2-1 is moderately active.

Antigen

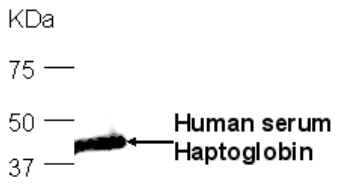
This polyclonal antibody was raised by immunizing chicken with Haptoglobin beta chain fusion protein

Application

Western Blot, Tissue staining, ELISA.1:2000 or up for Western Blot. Optimal working dilutions must be determined by the end user.

Related Products

1. Anti-Hapotoglobin, Chicken-Poly (PY-10281)



2μl human serum 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: 3,000 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×PBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

References

1、Sadrzadeh SM, Bozorgmehr J. Am J Clin Pathol. 2004 Jun; 121 Suppl: S97-104.
2、Van Vlierberghe H, Langlois M, Delanghe J. Clin Chim Acta. 2004 Jul; 345(1-2):35-42.