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Anti- Troponin I (8-35), Chicken-Polyclonal Antibody

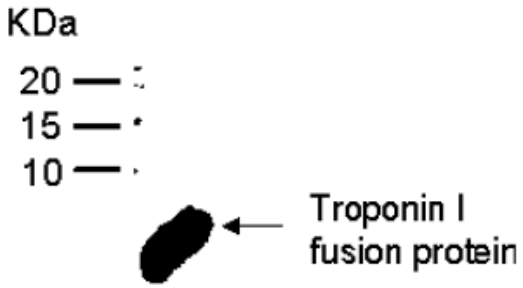
Catalog No. PY-10206 **Quantity:** 100μg **Applications:** Western Blot
Antigen species: Human **Reactivity:** Human, bovine, mouse, rabbit
Host species: Chicken **Form:** Antigen affinity purified antibody

Target description

Cardiac troponin I levels are a risk factor for mortality and multiple organ failure in noncardiac critically ill patients and have an additive effect to the APACHE II score in outcome prediction.

Antigen

This polyclonal antibody was raised by immunizing chicken with human cardiac troponin I (8-35 amino acids) fusion protein.



Application

Western blotting, tissue or cell immunostaining. Recommended starting dilution for Western blot analysis is 1:2000, for tissue or cell staining is 1:150. Optimal working dilutions must be determined by the end user.

Related Products

1. Anti-Troponin I (49-92), chicken pAb (PY-10269)
2. Anti-Troponin I (93-122), chicken pAb (PY-10270)

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

References

1. Barta, J., Toth, A., Jaquet, K., Redlich, A., Edes, I. and Papp, Z. Calpain-1-dependent degradation of troponin I mutants found in familial hypertrophic cardiomyopathy. *Mol. Cell. Biochem.* 251 (1-2), 83-88 (2003)