

## Troponin I3 (phospho-T142) polyclonal antibody

Catalog: BCP01680

Host: Rabbit

Reactivity: Human,Mouse,Rat

### BackGround:

Troponin I is part of a heteromeric complex playing an important role in the regulation of skeletal and cardiac muscle contraction. It consists of three subunits, troponin I (TnI), troponin T (TnT) and troponin C (TnC). Each subunit is responsible for part of troponin complex function. TnI inhibits ATPase activity of acto myosin and TnT and TnI are present in cardiac muscles in different forms than in skeletal muscles. Only one tissue specific isoform of TnI is described for cardiac muscle tissue (cTnI) and this is expressed only in myocardium.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 28 kDa

### Swiss-Prot:

P19429

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

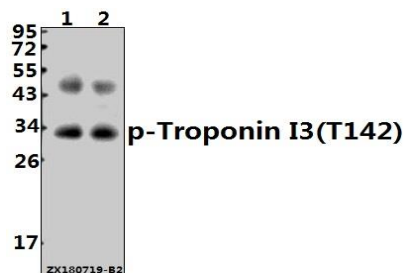
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Troponin I3 (phospho-T142) polyclonal antibody detects endogenous levels of Troponin I3 protein only when phosphorylated at Thr142.

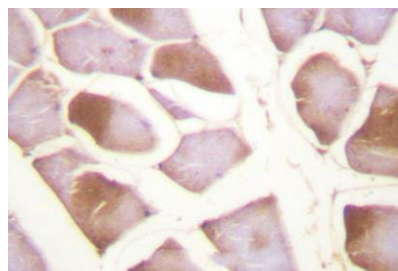
### DATA:



Western blot (WB) analysis of p-Troponin I3 (T142) pAb at 1:500 dilution

Lane1: The Heart tissue lysate of Mouse(40ug)

Lane2: The Heart tissue lysate of Rat(40ug)



### Note:

For research use only, not for use in diagnostic procedure.