

## Troponin I3 (A16) polyclonal antibody

Catalog: BS1452

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 actomyosin 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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### 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

IHC: 1:50~1:200

IF: 1:50~1:200

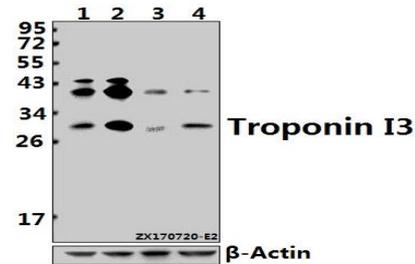
### Storage&Stability:

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

### Specificity:

TNNI3 (A16) polyclonal antibody detects endogenous levels of TNNI3 protein.

### DATA:



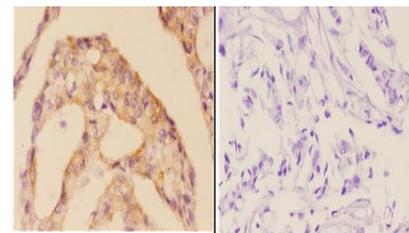
Western blot (WB) analysis of Troponin I3 (A16) pAb at 1:500 dilution

Lane1:HCT116 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:C6 whole cell lysate(40ug)

Lane4:MEF whole cell lysate(40ug)



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Lot CF36131

Immunohistochemistry (IHC) analyzes of Troponin I3 (A16) pAb in paraffin-embedded human breast carcinoma tissue at 1:50, showing cytoplasmic and membrane staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

### Note:

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

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