

Anti-cTnT Antibody

Catalog # AP96086

Product Information

Application	WB, IHC, FC
Primary Accession	P45379
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	35924

Additional Information

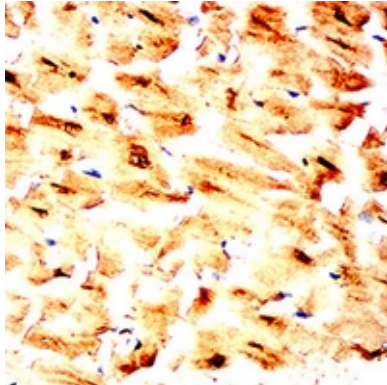
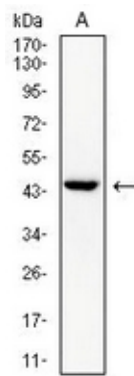
Gene ID	7139
Other Names	Troponin T, cardiac muscle; TnTc; Cardiac muscle troponin T; cTnT
Target/Specificity	Recombinant fusion protein of human cTnT expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

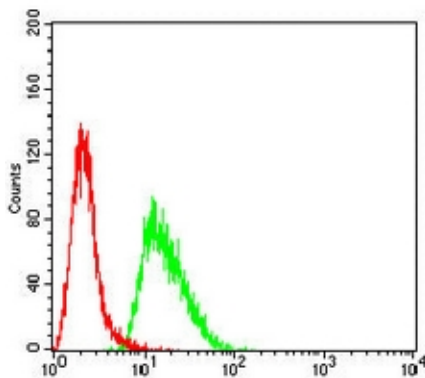
Name	TNNT2
Function	Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.
Tissue Location	Heart. The fetal heart shows a greater expression in the atrium than in the ventricle, while the adult heart shows a greater expression in the ventricle than in the atrium. Isoform 6 predominates in normal adult heart. Isoforms 1, 7 and 8 are expressed in fetal heart. Isoform 7 is also expressed in failing adult heart

Images

Western blot analysis of cTnT expression in mouse heart
(A) whole cell lysates. (Predicted band size: 36 kD;
Observed band size: 45 kD)



Immunohistochemical analysis of cTnT staining in human myocardium formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of Hela cells using Anti-cTnT Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.