abcam

Product datasheet

Recombinant Human Cardiac Troponin T protein ab86685

画像数 2

製品の詳細

製品名	Recombinant Human Cardiac Troponin T protein
精製度	> 90 % SDS-PAGE. ab86685 is purified using conventional chromatography techniques.
発現系	Escherichia coli
アクセッション番号	P45379-11
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	MGSSHHHHHH SSGLVPRGSH MSDIEEVVEE YEEEEQEEAA VEEQEEAAEE DAEAEAETEE TRAEEDEEEE EAKEAEDGPM EESKPKPRSF MPNLVPPKIP DGERVDFDDI HRKRMEKDLN ELQALIEAHF ENRKKEEEEL VSLKDRIERR RAERAEQQRI RNEREKERQN RLAEERARRE EEENRRKAED EARKKKALSN MMHFGGYIQK TERKSGKRQT EREKKKKILA ERRKVLAIDH LNEDQLREKA KELWQSIYNL EAEKFDLQEK FKQQKYEINV LRNRINDNQK VSKTRGKAKV TGRWK
予測される分子量	36 kDa
領域	1 to 285
タグ	His tag N-Terminus
配列の追加情報	Isoform 11 of Cardiac Troponin T.

特性

Our **Abpromise guarantee** covers the use of **ab86685** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE Sandwich ELISA
製品の状態	Liquid

前処理および保存

保存方法および安定性

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00
Preservative: 0.0006% Imidazole
Constituents: 0.24% Tris HCl, 50% Glycerol, 1.16% Sodium chloride, 0.0017% PMSF, 0.02% DTT

関連情報

機能

Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

組織特異性

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.

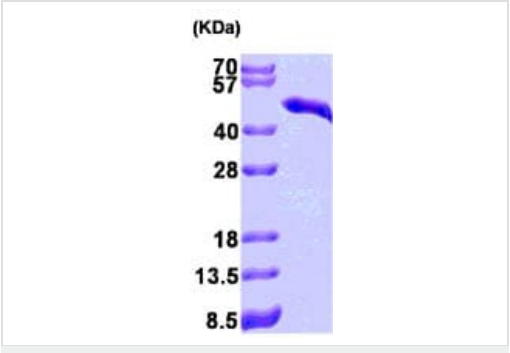
関連疾患

Defects in TNNT2 are the cause of cardiomyopathy familial hypertrophic type 2 (CMH2) [MIM:115195]. Familial hypertrophic cardiomyopathy is a hereditary heart disorder characterized by ventricular hypertrophy, which is usually asymmetric and often involves the interventricular septum. The symptoms include dyspnea, syncope, collapse, palpitations, and chest pain. They can be readily provoked by exercise. The disorder has inter- and intrafamilial variability ranging from benign to malignant forms with high risk of cardiac failure and sudden cardiac death.
Defects in TNNT2 are the cause of cardiomyopathy dilated type 1D (CMD1D) [MIM:601494]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.
Defects in TNNT2 are the cause of cardiomyopathy familial restrictive type 3 (RCM3) [MIM:612422]. Restrictive cardiomyopathy is a heart disorder characterized by impaired filling of the ventricles with reduced diastolic volume, in the presence of normal or near normal wall thickness and systolic function.

配列類似性

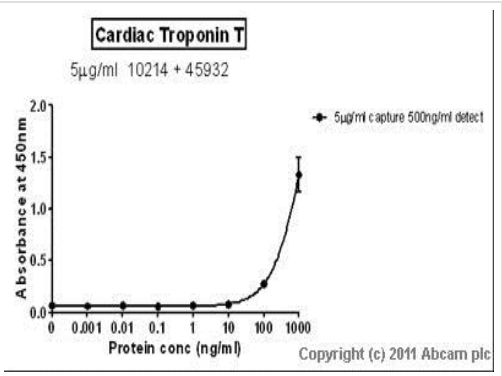
Belongs to the troponin T family.

画像



SDS-PAGE - Recombinant Human Cardiac Troponin T protein (ab86685)

15% SDS-PAGE showing ab86685(3µg).



Sandwich ELISA - Recombinant Human Cardiac Troponin T protein (ab86685)

Standard Curve for Cardiac Troponin T (Analyte: **Cardiac Troponin T protein (His tag) (ab86685)**); dilution range 1pg/ml to 1ug/ml using Capture Antibody **Mouse monoclonal [1F11] to Cardiac Troponin T (ab10214)** at 5ug/ml and Detector Antibody **Rabbit polyclonal to cardiac Troponin T (ab45932)** at 0.5ug/ml.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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