

Recombinant Human Cardiac Troponin T protein ab86685

2 图像

描述

产品名称	重组人Cardiac Troponin T蛋白
纯度	> 90 % SDS-PAGE. ab86685 is purified using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	<u>P45379-11</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<pre> MGSSHHHHHH SSGLVPRGSH MSDIEEVVEE YEEEEQEEAA VEEQEEAAEE DAEAEAETEE TRAEEEEEEE EAKEAEDGPM EESKPKRSF MPNLVPPKIP DGERVDFDDI HRKRMEKDLN ELQALIEAHF ENRKKEEEEL VSLKDRIERR RAERAEQQRI RNEREKERQN RLAEERARRE EEENRRKAED EARKKKALSN MMHFGGYIQK TERKSGKRQT EREKKKKILA ERRKVLAIKH LNEDQLREKA KELWQSIYNL EAEKFDLQEK FKQQKYEINV LRNRINDNQK VSKTRGKAKV TGRWK </pre>
预测分子量	36 kDa
氨基酸	1 to 285
标签	His tag N-Terminus
额外的序列信息	Isoform 11 of Cardiac Troponin T.

技术指标

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.

应用	SDS-PAGE Sandwich ELISA
形式	Liquid

制备和贮存

稳定性和存储

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

常规信息

功能

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

组织特异性

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.

疾病相关

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.

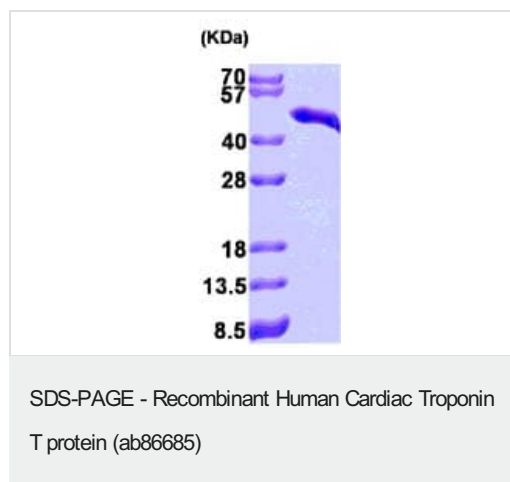
Defects in TNNT2 are the cause of cardiomyopathy dilated type 1D (CMD1D) [MIM:601494]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.

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.

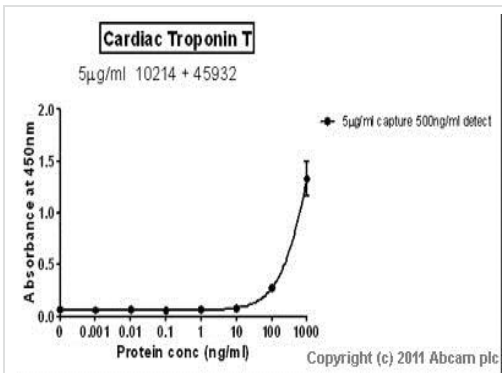
序列相似性

Belongs to the troponin T family.

图片



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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