

Product datasheet

Anti-Cardiac Troponin T antibody [9G6] (HRP) ab8296

1 图像

概述

产品名称	Anti-Cardiac Troponin T抗体[9G6] (HRP)
描述	小鼠单克隆抗体[9G6] to Cardiac Troponin T (HRP)
宿主	Mouse
偶联物	HRP
经测试应用	适用于: IHC-P, WB, ELISA, Other, Sandwich ELISA
种属反应性	与反应: Human
免疫原	Full length native protein (purified) (Human).
表位	1-60 aa
阳性对照	IHC-P: Human heart FFPE tissue sections.
常规说明	

This antibody detects Troponin T in human cardiac muscle. No cross-reaction with skeletal troponin T, or TnC or cTnI.

Abcam is committed to meeting high standards of ethical manufacturing and as such, we will be discontinuing this product, which has been generated by the ascites method, within the next year. We are sorry for any inconvenience this may cause. If you would like help finding an alternative product, please do not hesitate to contact our scientific support team.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	Preservative: 0.05% Proclin Constituents: PBS, pH 7.4
纯度	Protein A purified
Primary antibody说明	This antibody detects Troponin T in human cardiac muscle. No cross-reaction with skeletal troponin T, or TnC or cTnI.
克隆	单克隆
克隆编号	9G6
骨髓瘤	Sp2/0
同种型	IgG1

轻链类型

unknown

应用

Our [Abpromise guarantee](#) covers the use of **ab8296** in the following tested applications.

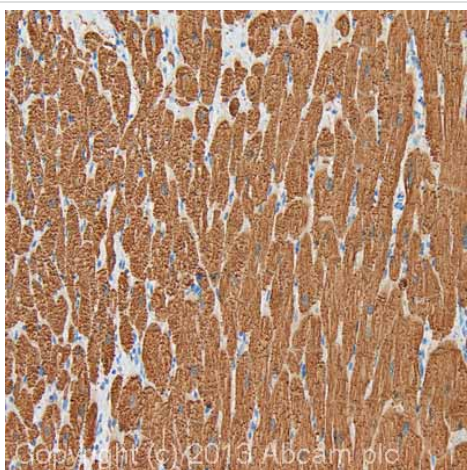
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab 评论	说明
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
Other		Use at an assay dependent concentration.
Sandwich ELISA		Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Mouse monoclonal [1C11] to Cardiac Troponin T (ab8295) . Can be used as Detection antibody.

靶标

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cardiac Troponin T antibody [9G6] (HRP) (ab8296)

IHC image of Cardiac Troponin T staining in human heart formalin fixed paraffin embedded tissue section, performed on a Leica Bond system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab8296, 5µg/ml, for 15 mins 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.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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