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Product datasheet

HRP Anti-Cardiac Troponin I antibody [16A11] ab24460

1 References

概述

产品名称	HRP Anti-Cardiac Troponin I抗体[16A11]
描述	HRP小鼠单克隆抗体[16A11] to Cardiac Troponin I
宿主	Mouse
偶联物	HRP
特异性	Reacts with free cardiac troponin I (cTnI) and cTnI forming complexes with other troponin components (in the presence of 5 mM EDTA). Not affected by heparin, phosphorylation, oxidation and troponin complex formation. Does not cross-react with skeletal muscle troponin I.
经测试应用	**适用于:** WB, ELISA, Sandwich ELISA
种属反应性	**与反应:** Rat, Rabbit, Goat, Cow, Cat, Dog, Human, Pig **不与反应:** Fish
免疫原	Full length native protein (purified) corresponding to Human Cardiac Troponin I.
表位	87-91aa
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	pH: 7.40 Preservative: 0.05% Proclin 300 Constituents: 0.8% Sodium chloride, 0.02% Potassium chloride, 0.18% Dibasic monohydrogen sodium phosphate, 0.024% Monobasic dihydrogen potassium phosphate
纯度	Protein A purified
克隆	单克隆

克隆编号	16A11
骨髓瘤	Sp2/0
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™承诺保证使用**ab24460**于以下的**经测试应用

"应用说明"**部分 下显示的**仅为**推荐的起始稀释度**;实际**最佳的稀释度**/浓**度**应**由使用者检定。**

应用	Ab评论	说明
WB		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
Sandwich ELISA		Use at an assay dependent concentration.
AP		Use at an assay dependent concentration.

靶标

功能	Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.
疾病相关	Defects in TNNI3 are the cause of cardiomyopathy familial hypertrophic type 7 (CMH7) [MIM:613690]. 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 TNNI3 are the cause of cardiomyopathy familial restrictive type 1 (RCM1) [MIM:115210]. RCM1 is an heart muscle 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. Defects in TNNI3 are the cause of cardiomyopathy dilated type 2A (CMD2A) [MIM:611880]. 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 TNNI3 are the cause of cardiomyopathy dilated type 1FF (CMD1FF) [MIM:613286]. 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.
序列相似性	Belongs to the troponin I family.

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