abcam

Product datasheet

Anti-Cardiac Troponin I antibody ab115704

製品の概要

製品名	Anti-Cardiac Troponin I antibody
製品の詳細	Mouse monoclonal to Cardiac Troponin I
由来種	Mouse
アプリケーション	**適用あり:** WB, Sandwich ELISA
種交差性	**交差種:** Rabbit, Goat, Cow, Cat, Dog, Human, Pig **非交差種:** Mouse, Rat, Fish
免疫原	Native troponin complex

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.1% Sodium azide Constituent: 100% PBS
精製度	Ascites
ポリ/モノ	モノクローナル
ミエローマ	Sp2/0
アイソタイプ	IgG1

アプリケーション

Our Abpromise guarantee covers the use of **ab115704** 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	Abreviews	特記事項
WB		Use at an assay dependent concentration.
Sandwich ELISA		Use at an assay dependent concentration.
AP		Use at an assay dependent concentration.

ターゲット情報

機能	Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.
関連疾患	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.
配列類似性	Belongs to the troponin I family.

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