

Product datasheet

Anti-Cardiac Troponin I (phospho S22 + S23) antibody ab58545

5 References 画像数 1

製品の概要

製品名	Anti-Cardiac Troponin I (phospho S22 + S23) antibody
製品の詳細	Rabbit polyclonal to Cardiac Troponin I (phospho S22 + S23)
由来種	Rabbit
特異性	Detects endogenous levels of cardiac Troponin I only when phosphorylated at serine 22/serine 23
アプリケーション	適用あり: WB, ELISA
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rat 
免疫原	Synthetic phosphopeptide derived from mouse TNNI3 around the phosphorylation site of serine 22 and serine 23 (RRS ^P S ^P A)
ポジティブ・コントロール	Mouse heart cell extract

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
精製度	Immunogen affinity purified
特記事項 (精製)	Affinity purified from rabbit antiserum by affinity chromatography using epitope specific phosphopeptide. The antibody against non phosphopeptide was removed by chromatography using non phosphopeptide corresponding to the phosphorylation site.
ポリモノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab58545** in the following tested applications.

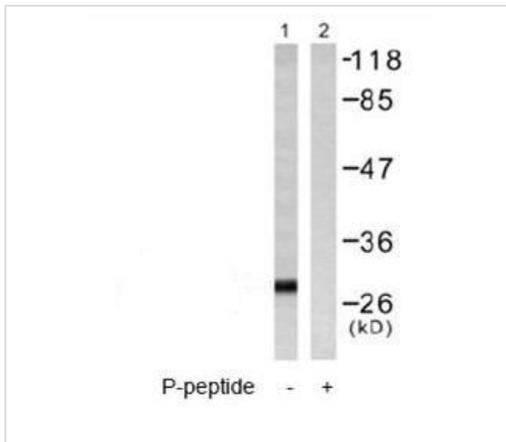
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/1000. Detects a band of approximately 30 kDa (predicted molecular weight: 24 kDa).
ELISA		1/20000.

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	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
配列類似性	Belongs to the troponin I family.

画像



All lanes : Anti-Cardiac Troponin I (phospho S22 + S23) antibody (ab58545) at 1/500 dilution

Lane 1 : Mouse heart cell extract

Lane 2 : Mouse heart cell extract with peptide

Predicted band size: 24 kDa

Observed band size: 30 kDa

Western blot - Anti-Cardiac Troponin I (phospho S22 + S23) antibody (ab58545)

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