

Datasheet for ABIN284801
anti-Troponin I antibody (AA 186-192)



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5 Publications

Overview

Quantity:	1 mg
Target:	Troponin I (TNNI)
Binding Specificity:	AA 186-192
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Troponin I antibody (cardiac) was raised in mouse using amino acid residues 186-192 of cTnI as the immunogen.
Clone:	C5
Isotype:	IgG2b
Purification:	purified

Target Details

Target:	Troponin I (TNNI)
Alternative Name:	Troponin I (TNNI Products)

Application Details

Application Notes: Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: Lot specific

Buffer: Protein A purified and supplied in PBS, pH 7.4, 0.1 % NaN₃.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C

Publications

Product cited in: Lin, Schmidt, Fritz, Jeong, Cammarato, Foster, Biesiadecki, McKinsey, Woulfe: "Site-specific acetyl-mimetic modification of cardiac troponin I modulates myofilament relaxation and calcium sensitivity." in: **Journal of molecular and cellular cardiology**, Vol. 139, pp. 135-147, (2020) ([PubMed](#)).

Waas, Weerasekera, Kropp, Romero-Tejeda, Poon, Boheler, Burrige, Gundry: "Are These Cardiomyocytes? Protocol Development Reveals Impact of Sample Preparation on the Accuracy of Identifying Cardiomyocytes by Flow Cytometry." in: **Stem cell reports**, Vol. 12, Issue 2, pp. 395-410, (2020) ([PubMed](#)).

Woulfe, Ferrara, Pioner, Mahaffey, Coppini, Scellini, Ferrantini, Piroddi, Tesi, Poggesi, Jeong: "A Novel Method of Isolating Myofibrils From Primary Cardiomyocyte Culture Suitable for Myofibril Mechanical Study." in: **Frontiers in cardiovascular medicine**, Vol. 6, pp. 12, (2019) ([PubMed](#)).

Lin, Warren, Li, McKinsey, Russell: "Myofibril growth during cardiac hypertrophy is regulated through dual phosphorylation and acetylation of the actin capping protein CapZ." in: **Cellular signalling**, Vol. 28, Issue 8, pp. 1015-24, (2017) ([PubMed](#)).

Scruggs, Walker, Lyu, Geenen, Solaro, Buttrick, Goldspink: "Partial replacement of cardiac troponin I with a non-phosphorylatable mutant at serines 43/45 attenuates the contractile dysfunction associated with PKCepsilon phosphorylation." in: **Journal of molecular and cellular**

cardiology, Vol. 40, Issue 4, pp. 465-73, (2006) ([PubMed](#)).