

Anti-Troponin I (cardiac) Ser150 Antibody

Our Anti-Troponin I (cardiac) Ser150 rabbit polyclonal phosphospecific primary antibody from Phospho Catalog # AN1590

Product Information

ApplicationWBPrimary AccessionP48787HostRabbitClonalityPolyclonalIsotypeIgG

Additional Information

Other Names cardiac muscle antibody, Cardiac troponin I antibody, Cardiac Troponin I

antibody, cardiomyopathy dilated 2A (autosomal recessive) antibody, Cardiomyopathy familial hypertrophic 7 included antibody, CMD1FF antibody, CMD2A antibody, CMH7 antibody, cTnI antibody, Familial hypertrophic cardiomyopathy 7 antibody, MGC116817 antibody, RCM1 antibody, Tn1 antibody, Tni antibody, TNN I3 antibody, TNNC 1 antibody, TNNC1 antibody, TNNI3 antibody, TNNI3_HUMAN antibody, Troponin I cardiac antibody, Troponin I cardiac muscle isoform antibody, Troponin I type 3 cardiac antibody, troponin I

cardiac 3 antibody, TroponinI antibody, Troponin I type 3 (cardiac) antibody

Target/Specificity Troponin I (TnI) is 1 of 3 subunits, along with troponin C (TnC) and Troponin T

(TnT) of troponin complex found in cardiac (cTnI) and fast skeletal (fsTnI) muscle. cTnI is phosphorylated by protein kinase C and protein kinase A at Ser-23/24 (Noland et al, 1995) and is phosphorylated by AMPK at Ser-23 and Ser-150 (Solis et al, 2011). Evidence suggests that AMPK, a critical regulator of cardiac energetics, prefers phosphorylating Ser-150 over Ser-23, and may play a role in regulating energy consumption through altering the phosphorylation

status of cTnI (Solis et al., 2011).

Dilution WB~~1:1000

Format Antigen Affinity Purified from Pooled Serum

Storage Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions Anti-Troponin I (cardiac) Ser150 Antibody is for research use only and not for

use in diagnostic or therapeutic procedures.

Shipping Blue Ice

Background

Troponin I (TnI) is 1 of 3 subunits, along with troponin C (TnC) and Troponin T (TnT) of troponin complex found in cardiac (cTnI) and fast skeletal (fsTnI) muscle. cTnI is phosphorylated by protein kinase C and protein kinase A at Ser-23/24 (Noland et al, 1995) and is phosphorylated by AMPK at Ser-23 and Ser-150 (Solis et al, 2011). Evidence suggests that AMPK, a critical regulator of cardiac energetics, prefers phosphorylating Ser-150 over Ser-23, and may play a role in regulating energy consumption through altering the phosphorylation status of cTnI (Solis et al., 2011).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.