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Product datasheet for AP26441PU-N

Tnni3 pSer150 Rabbit Polyclonal Antibody

Product data:

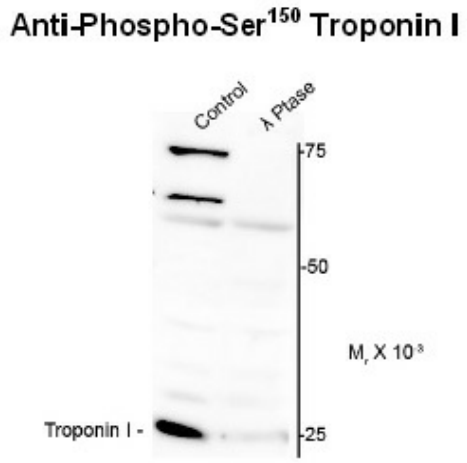
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	**Western blot:** 1/1000. Immunolabeling is greatly decreased with lambda -phosphatase treatment.
Reactivity:	Human, Mouse, Primate, Rat
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	Phosphopeptide corresponding to amino acid residues surrounding the phospho-Ser 150 of Mouse Troponin I, cardiac (cTnI).
Specificity:	Specific for the ~25k cardiac troponin I protein phosphorylated at Ser 150.
Formulation:	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol State: Aff - Purified State: Liquid purified Ig fraction
Purification:	Affinity purification via sequential chromatography on phospho- and dephospho-peptide affinity columns
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	troponin I, cardiac 3
Database Link:	Entrez Gene 21954 Mouse P48787

View online »

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 su ggests 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 p hosphorylation status of cTnI (Solis et al., 2011).

Synonyms: TNNI3, TNNC1

Product images:



Western blot of mouse heart lysate showing specific imm unolabeling of ~25k cTnI protein phosphorylated at Ser 150 (control). Phosphospecificity is shown in the second lane (lambda -phosphatase: Î» -Ptase). The blot is identical to the control except that the lysate was incubated in Î» -Ptase (1400 units for 30 min). The immunolabeling is greatly decreased by treatment with Î» -Ptase.