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PRODUCT DATASHEET

Anti-Troponin I (cardiac) Ser43 Antibody

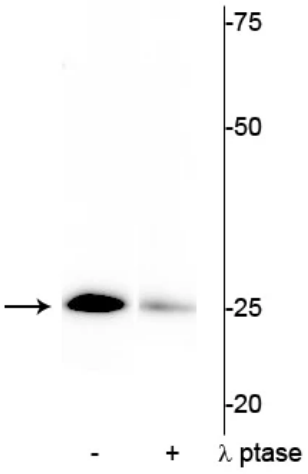
phosphosolutions ANTIBODIES THAT WORK Pooled Serum

Product Details

Available Variants	100 µL (SKU:p2010-43) 25 µL (SKU:p2010-43t)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	TNNI3
Host Species	Rabbit
Format	Antigen Affinity Purified from Pooled Serum
Physical State	Liquid
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Production Notes	Prepared from pooled rabbit serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.
Applications	ELISA, WB
Dilution Ranges	WB: 1:1000
Species Reactivity	Mouse, Rat
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser43 of mouse troponin I, cardiac (cTnI), conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the ~25 kDa cardiac troponin I protein phosphorylated at Ser43. Immunolabeling is greatly decreased with λ-phosphatase treatment.
Molecular Weight	25 kDa
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

	-20°C.
Antibody Registry ID	AB_2492269
UniProt ID	P48787 UniProt Summary: Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Expected Reactivity	Bovine, Canine, Non-Human Primate, Sheep, Xenopus, Zebrafish
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser43
NCBI Gene ID	21954

Product Images



Western blot of mouse heart lysate showing specific immunolabeling of the ~25 kDa cardiac troponin I protein phosphorylated at Ser43 in the first lane (-). Phosphospecificity is shown in the second lane (+) where the immunolabeling is greatly decreased by blot treatment with lambda phosphatase (λ-Ptase, 1200 units for 30 minutes).