

Anti-Troponin I (cardiac) Ser23/24 Antibody



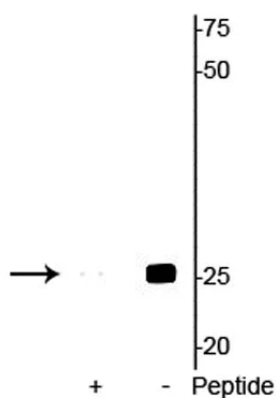
Pooled Serum

Product Details

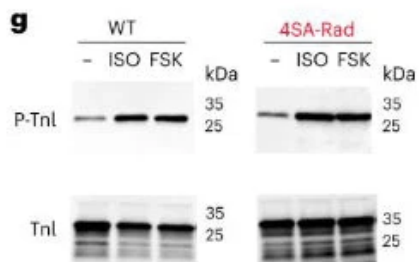
Available Variants	100 µL (SKU:p2010-2324) 25 µL (SKU:p2010-2324t)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	TNNI3
Host Species	Rabbit
Format	Antigen Affinity Purified from Pooled Serum
Physical State	Liquid
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Production Notes	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 Ser23/24 of mouse troponin 1, cardiac (cTnI), conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the ~25 kDa cardiac troponin I protein phosphorylated at Ser23/24. Immunolabeling is blocked by preadsorption with the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide.
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_2492268
UniProt ID	P48787
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	Non-Human Primate
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser23,24
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 Ser23/24 in the second lane (-). Phosphospecificity is shown in the first lane (+) where immunolabeling is blocked by preadsorption with the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide (not shown).



Western blots showing specific labeling of S23/S24 TnI, cat. p2010-2324 (upper) and TnI; cat. 2010-TnI (lower) in protein lysates of mouse cardiomyocytes. Image from publication CC-BY-4.0. [PMID: 36424917](https://pubmed.ncbi.nlm.nih.gov/36424917/)

Product Page URL: www.antibodiesinc.com/products/anti-troponin-i-cardiac-ser23-24-antibody-p2010-2324



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