

Product Datasheet

Troponin I Type 3 (cardiac) [p Ser150] Antibody NBP2-29526

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-29526

Troponin I Type 3 (cardiac) [p Ser150] Antibody

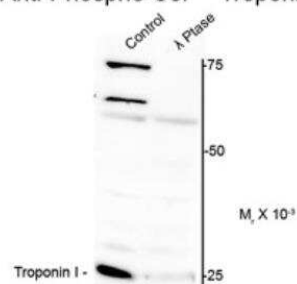
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	25 kDa
Product Description	
Host	Rabbit
Gene ID	7137
Gene Symbol	TNNI3
Species	Human, Mouse, Rat
Specificity/Sensitivity	Specific for endogenous levels of the ~25 kDa Troponin I Type 3 (cardiac) protein phosphorylated at Ser150. Immunolabeling is greatly decreased with lambda-phosphatase treatment.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser150 conjugated to KLH. Accession # P48787
Preparation Method	Prepared from rabbit serum by affinity purification via sequential chromatography on phospho- and dephospho-peptide affinity columns.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/Immunofluorescence, Immunoprecipitation



Images

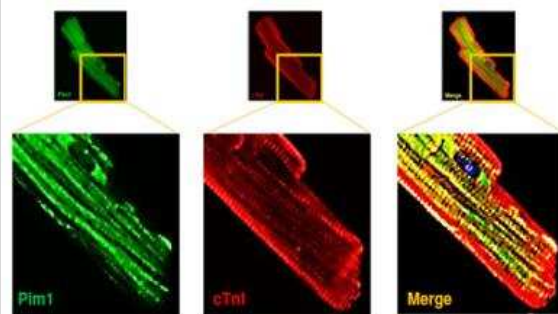
Western Blot: Troponin I Type 3 (cardiac) [p Ser150] Antibody [NBP2-29526] - Western blot of mouse heart lysate showing specific immunolabeling of ~25k cTnI protein phosphorylated at Ser150 (control). Phosphospecificity is shown in the second lane. The blot is identical to the control except that the lysate was incubated in lambda-Ptase (1400 units for 30 min). The immunolabeling is greatly decreased by treatment with lambda-Ptase.

Anti-Phospho-Ser¹⁵⁰ Troponin I

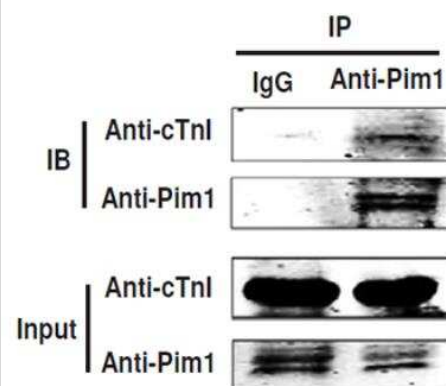


Western blot of mouse heart lysate showing specific immunolabeling of ~25k cTnI protein phosphorylated at Ser¹⁵⁰ (control). This immunolabeling is eliminated by treatment of the lysate with lambda phosphatase.

Immunofluorescence: Troponin I Type 3 (cardiac) [p Ser150] Antibody [NBP2-29526] - Fixed adult mouse cardiomyocyte were stained with anti-Pim-1 and anti-cTnI antibodies and then processed for fluorescent staining analysis. From Zhu et al.: Phosphorylation of cTnI by Pim1 Kinase, *Cell Physiol Biochem* 2018;45:2174-2186.



Immunoprecipitation: Troponin I Type 3 (cardiac) [p Ser150] Antibody [NBP2-29526] - Adult mouse heart tissue samples were extracted and immunoprecipitated with either anti-Pim-1 antibody or control IgG and then analyzed by Western blot. From Zhu et al.: Phosphorylation of cTnI by Pim1 Kinase, *Cell Physiol Biochem* 2018;45:2174-2186.



Publications

Zhu N, Yi B, Guo Z et al. Pim-1 Kinase Phosphorylates Cardiac Troponin I and Regulates Cardiac Myofilament Function. *Cell. Physiol. Biochem.* 2018-03-10 [PMID: 29544221] (WB, Mouse)



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Products Related to NBP2-29526

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00007137-P01-2ug	Recombinant Human Troponin I Type 3 (cardiac) GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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