

## DATASHEET

# cTnI (Phospho-S23/S24) Rabbit Polyclonal Antibody

CAT. NO. APA10951

### KEY FEATURES

Target	cTnI (Phospho-S23/S24)	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

### BACKGROUND

Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

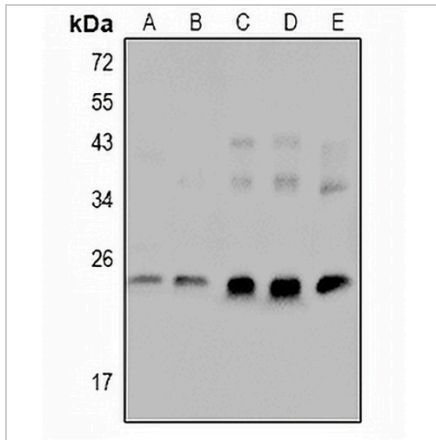
Description	Rabbit polyclonal antibody to cTnI (Phospho-S23/S24)
Specificity	Recognizes endogenous levels of cTnI protein only when phosphorylated at S23/S24.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S23/S24 of human cTnI protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 24 kD; Observed: 24 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	TNNC1; Troponin I cardiac muscle; Cardiac troponin I
Gene Symbol	TNNI3
Entrez Gene	7137(Human); 21954(Mouse); 29248(Rat)
SwissProt	P19429(Human); P48787(Mouse); P23693(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of cTnI (Phospho-S23/S24) expression in rat heart (A), H9C2 (B), A549 (C), HEK293T (D), mouse testis (E) whole cell lysates. (Predicted band size: 24 kD; Observed band size: 24 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.