

产品名称: Phospho-Cardiac Troponin I (Ser22/Ser23) Rabbit  
Polyclonal Antibody  
产品货号: APRab00836



## 产品概述 (Summary)

|                        |                                                                     |
|------------------------|---------------------------------------------------------------------|
| 产品名称 (Production Name) | Phospho-Cardiac Troponin I (Ser22/Ser23) Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody                                          |
| 宿主 (Host)              | Rabbit                                                              |
| 应用 (Application)       | WB,IHC,ELISA                                                        |
| 种属反应性 (Reactivity)     | Mouse,Rat                                                           |

## 产品性能 (Performance)

|                     |                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                   |
| 修饰 (Modification)   | Phosphorylated                                                                                 |
| 同种型 (Isotype)       | IgG                                                                                            |
| 克隆 (Clonality)      | Polyclonal                                                                                     |
| 形式 (Form)           | Liquid                                                                                         |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.       |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3. |
| 纯化方式 (Purification) | Affinity Chromatography                                                                        |

## 免疫原信息 (Immunogen)

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| 基因名 (Gene Name)        | Tnni3                                                        |
| 别名 (Alternative Names) | TNNI3; TNNC1; Troponin I; cardiac muscle; Cardiac troponin I |
| 基因 ID (Gene ID)        | 29248.0                                                      |
| 蛋白 ID (SwissProt ID)   | P23693.                                                      |

## 产品应用 (Application)

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:1000,IHC 1:50-1:100,ELISA 1:5000-1:20000 |
| 蛋白分子量 (Molecular Weight) | Calculated MW: 24 kDa; Observed MW: 28 kDa          |

## 研究背景 (Background)

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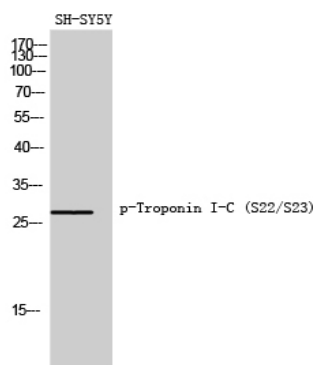


Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: tnl-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. This gene encodes the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in this gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiomyopathy (RCM).

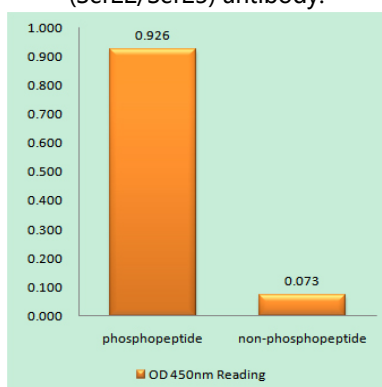
## 研究领域 (Research Area)

Signal Transduction

## 图片 (Image Data)



Western blot analysis of Phospho-Cardiac Troponin I (Ser22/Ser23) in SH-SY5Y lysates using Phospho-Cardiac Troponin I (Ser22/Ser23) antibody.

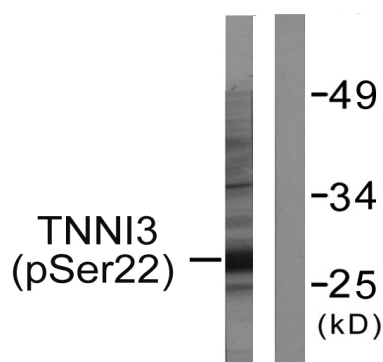


EnzymeLinked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phospho-peptide (Phospho-left) and NonPhospho-peptide (Phospho-right), using TNNI3 (Phospho-Ser22+Ser23) antibody.

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Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle using TNNI3 (Phospho-Ser22+Ser23) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



Western blot analysis of Phospho-Cardiac Troponin I (Ser22/Ser23) in mouse heart lysates using Phospho-Cardiac Troponin I (Ser22/Ser23) antibody. The lane on the right is blocked with the Phospho- peptide.

### 注意事项 (Note)

For research use only .