

IHC*easy* TNNI3 Ready-To-Use IHC Kit

Catalog Number: **KHC0327**

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Rat

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Mouse Monoclonal

Secondary antibody type:
Polymer-HRP-Goat anti-Mouse

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

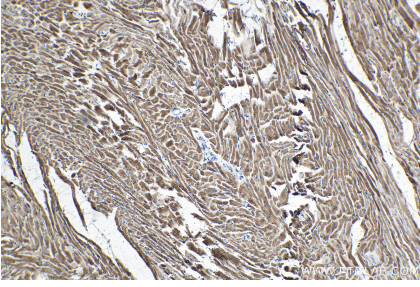
Background

Troponin I (TnI) is the inhibitory subunit of troponin, the structural protein involved in the regulation of striated muscle contraction. Cardiac Troponin I (cTnI) is produced by cardiac muscle. Two other TnI isoforms (slow sTnI and fast sTnI) are produced by slow-twitch and fast-twitch skeletal muscles, respectively. cTnI has been considered as one of the most specific and sensitive markers of myocardial damage like acute myocardial infarction (AMI) for decades. Detection of cTnI in serum is widely accepted as a diagnostic tool in acute coronary syndromes. Primary antibody in this kit is specific to cTnI, but not cross-react with skeletal TnI.

Synonyms

Cardiac troponin I, CMD2A, CMH7, cTnI, RCM1, TNNC1, TNNI3, troponin I type 3 (cardiac), Troponin I, cardiac muscle

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using KHC0327 (TNNI3 IHC Kit).