

CPTC-TNNI3-1 (CAB080406)

Uniprot ID: [P19429](#)

Protein name: TNNI3_HUMAN

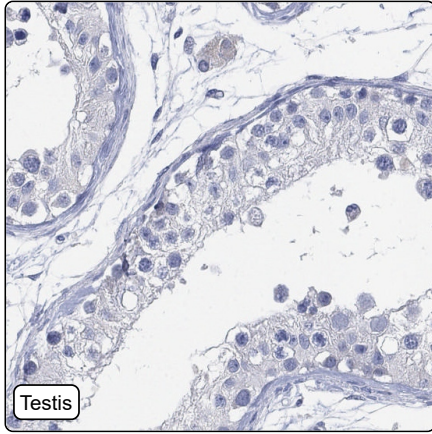
Full name: Troponin I, cardiac muscle

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

Protein existence: Experimental evidence at protein level

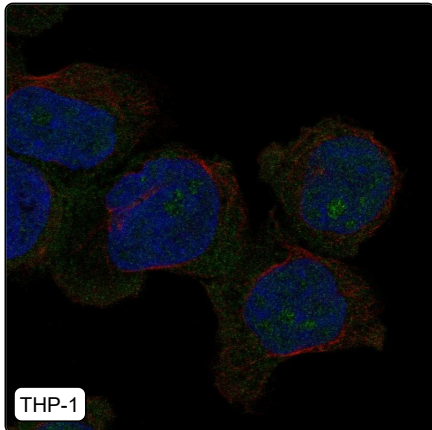
Comment: IF: unspecific in U2OS, thereby not included/Charlotte

Immunohistochemistry



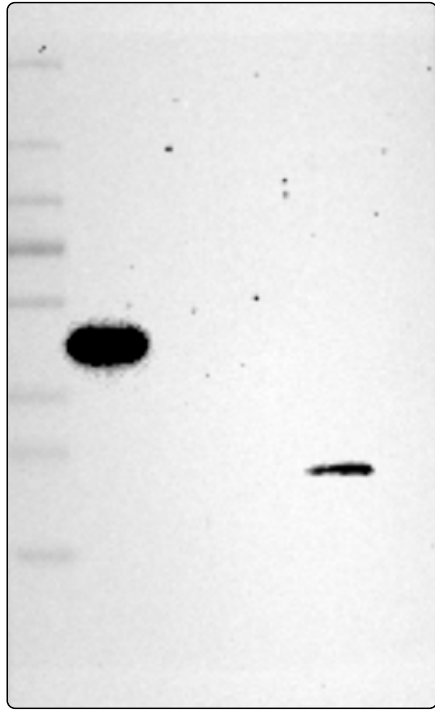
IHC protocol:	HIER pH6, Dilution 1:600
IHC test staining:	No positivity was observed in heart.
Literature conformance:	Not consistent with gene/protein characterization data
Literature significance:	
RNA similarity:	Very low consistency between antibody staining and RNA expression data
RNA tissue specificity:	Tissue enriched (heart muscle)
RNA tissue distribution:	Detected in many
IHC Sibling similarity:	Other antibody shows dissimilar IHC staining pattern

Immunofluorescence



IF Overlay:	antibody (green), anti-tubulin (red) and DAPI (blue)
IF main location:	Nucleoli - 7: Approved (auto)
IF additional location:	
IF approved for publication on HPA:	No
IF in THP-1:	Nucleoli

Western blot



WB Size markers (kDa):	250, 130, 100, 70, 55, 35, 25, 15, 10
WB Lanes:	Marker (1), RT-4 (2), U-251MG (3), Plasma (4), Liver (5), Tonsil (6)
WB Target weight (kDa):	6, 21, 24, 25
WB Validation:	Uncertain (Weak band of predicted size but with additional bands of higher intensity also present.)