

TNNI3 Antibody | anti-TNNI3 antibody

TNNI3 (Phospho-Ser43) Antibody

CATALOG # AAA111734	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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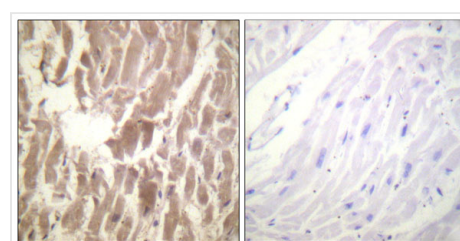
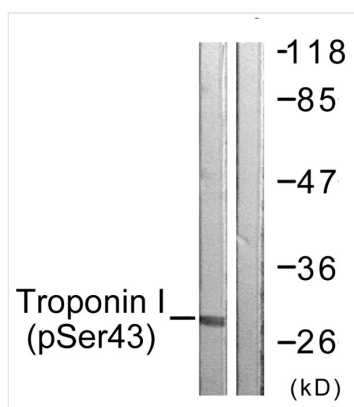
PRODUCT SYNONYMS

TNNI3; TNNI3 (Phospho-Ser43) Antibody; TNNC1; troponin I; cardiac muscle; anti-TNNI3 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	Troponin I (Phospho-Ser43) antibody detects endogenous levels of Troponin I only when phosphorylated at serine 43.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	210
Applicable Applications for anti-TNNI3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Troponin I around the phosphorylation site of serine 43 (S-A-SP-R-K).
All Sites	Human: Ser43 Mouse: Ser44 Rat: Ser44
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide-+

IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human heart tissue using Troponin I (Phospho-Ser43) antibody. Western blot analysis of extracts from Jurkat cells, using Troponin I (Phospho-Ser43) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-TNNI3 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Beata M. Wolska, Circ. Res., May 2002; 90: 882-888. Marco A. Brotto, Am J Physiol Cell Physiol, Feb 2006; 290: C567-C576. Martina Krüger, Am J Physiol Heart Circ Physiol, Aug 2006; 291: H496-H506. Vishram Kedar, PNAS, Dec 2004; 101: 18135-18140.

NCBI AND UNIPROT INFORMATION

NCBI GI #	151101270
NCBI GeneID	7137
NCBI Accession #	NP_000354.4
NCBI GenBank Nucleotide #	NM_000363.4
UniProt Accession #	P19429
Molecular Weight	24,008 Da
NCBI Official Full Name	troponin I, cardiac muscle
NCBI Official Synonym Full Names	troponin I3, cardiac type
NCBI Official Symbol	TNNI3
NCBI Official Synonym Symbols	CMH7; RCM1; cTnI; CMD2A; TNNC1; CMD1FF
NCBI Protein Information	troponin I, cardiac muscle
UniProt Protein Name	Troponin I, cardiac muscle
UniProt Gene Name	TNNI3
UniProt Synonym Gene Names	TNNC1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.