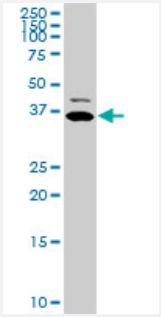
TNNT2 monoclonal antibody (M02), clone 3H4-F7

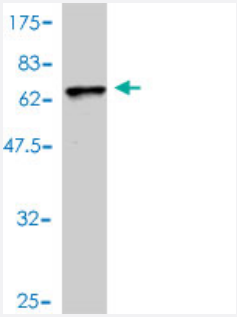
Catalog # H00007139-M02 Size 100 ug

Applications



Western Blot (Cell lysate)

TNNT2 monoclonal antibody (M02), clone 3H4-F7 Western Blot analysis of TNNT2 expression in COLO 320 HSR (Cat # L020V1).



Western Blot detection against Immunogen (55.11 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant TNNT2.
Immunogen	TNNT2 (AAH02653, 1 a.a. ~ 268 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSDIEEVVEEYEEEEQEEAAVEEQEEAAEEDAEAEAETEETRAEEDEEEEEAKEAEDGPMEES KPKPRSFMPNLVPPKIPDGERVDFDDIHRKRMEKDLNELQALIEAHFENRKKEEEELVSLKDRIER RRAERAEQQRIRNEREKERQNRLAEERARREEEENRRKAEDEARKKKALSNMMHFGGYIQKTER KSGKRQTEREKKKKILAERRKVLAIDHLNEDQLREKAKELWQSIYNLEAEKFDLQEKFKQQKYEIN VLRNRINDN
Host	Mouse

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Reactivity	Human
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (55.11 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA
- Western Blot (Cell lysate)

  TNNT2 monoclonal antibody (M02), clone 3H4-F7 Western Blot analysis of TNNT2 expression in COLO 320 HSR (Cat # L020V1).

  Protocol Download
- Western Blot (Recombinant protein)

  Protocol Download

Gene Info — TNNT2

Entrez GeneID	7139
GeneBank Accession#	BC002653
Protein Accession#	AAH02653
Gene Name	TNNT2
Gene Alias	CMH2, CMPD2, MGC3889, RCM3, TnTC, cTnT
Gene Description	troponin T type 2 (cardiac)
Omim ID	115195 191045 601494
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined. [provided by RefSeq
Other Designations	OTTHUMP00000033864|OTTHUMP00000033867|cardiomyopathy, dilated 1D (autosomal dominant)|cardiomyopathy, hypertrophic 2|troponin T type 2, cardiac|troponin T, cardiac muscle|troponin T2, cardiac

Pathway

- Cardiac muscle contraction
- Hypertrophic cardiomyopathy (HCM)

Disease

- Cardiomegaly
- Cardiomyopathies
- Cardiomyopathy
- Cardiovascular Diseases
- Death
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Hypertrophy
- Lipid Metabolism
- Mitochondrial Myopathies
- Tachycardia

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