

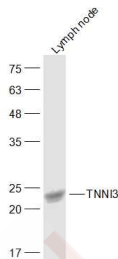
Anti-TNNC1 Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Mouse,Rat (predicted:Human)
Molecular Weight: Theoretical: 23 kDa. Actual: 24 kDa.
Purification: Protein A purified

Applications

Sample:
LymphNode (Rat) Cell Lysate at 40 µg
Verified Activity: Primary: Anti-TNNI3 (TMAB-01875) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 24 kDa
Observed band size: 24 kDa



Application: FCM,IF,IHC-Fr,WB
Recommended WB: 1:500-2000; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 2µg/Test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CTn1
Antigen Species: Human
Gene ID: 7137
Uniprot ID: P19429
Synonyms: CMH7;TNNI3;Troponin I;TNNC1
Biology Area: Troponin,Troponin

Research Background

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: TnI-skeletal-fast-twitch, TnI-

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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). [provided by RefSeq, Jul 2008]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481