

Anti-TNNI3 antibody

Cat. No.	ml120341
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-TNNI3 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human TNNI3
Reactivity	Human, Mouse, Rat
Content	0.2 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	TNNI3
Full name	troponin I type 3 (cardiac)
Synonyms	CMH7; RCM1; cTnI; CMD2A; TNNC1; CMD1FF
Swissprot	P19429

Target 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-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).

订购热线: 4008-898-798

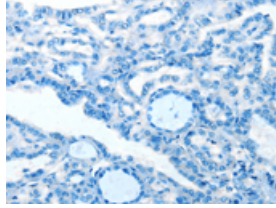
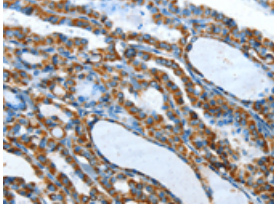
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 25-100

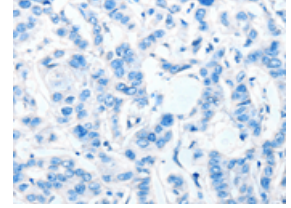
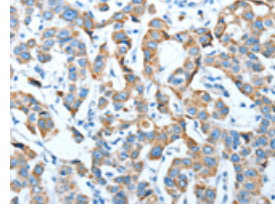


The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml120341(TNNI3 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human breast cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using ml120341(TNNI3 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size: 24 kDa

Positive control: Mouse heart tissue

Recommended dilution: 200-1000

Gel: 12% SDS-PAGE

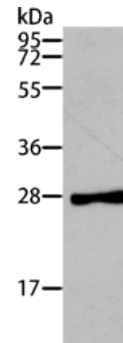
Lysate: 40 µg

Lane: Mouse heart tissue

Primary antibody: ml120341(TNNI3 Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 seconds



ELISA

Recommended dilution: 2000-5000

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