

For Research Use Only

CoraLite® Plus 488-conjugated TNNC1 Polyclonal antibody

Catalog Number: **CL488-13504**

Featured Product

Basic Information

Catalog Number:

CL488-13504

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4339

GenBank Accession Number:

BC030244

GeneID (NCBI):

7134

UNIPROT ID:

P63316

Full Name:

troponin C type 1 (slow)

Calculated MW:

161 aa, 18 kDa

Observed MW:

18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : U2OS cells,

Background Information

Troponin is a central regulatory protein of striated muscle contraction, and together with tropomyosin, is located on the actin filament. Troponin consists of 3 subunits: TnI, which is the inhibitor of actomyosin ATPase; TnT, which contains the binding site for tropomyosin; and TnC, the protein encoded by this gene. TnC plays an important role in excitation-contraction coupling and is the primary target of compounds such as levosimendan that augment Ca²⁺ responsiveness of the thin filament.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

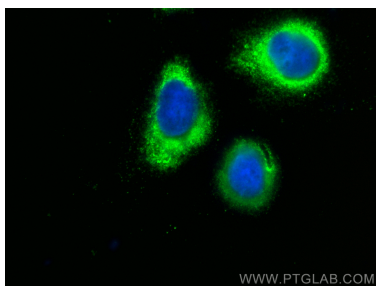
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using CoraLite® Plus 488 TNNC1 antibody (CL488-13504) at dilution of 1:200.