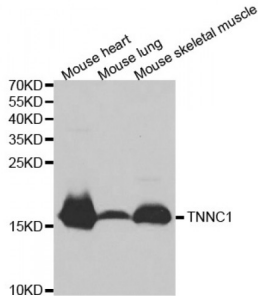
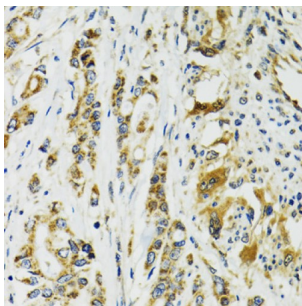


## Troponin C, Slow Skeletal And Cardiac Muscles (TNNC1) Antibody

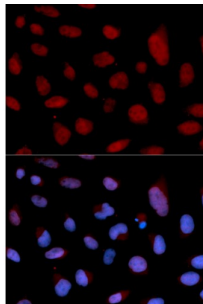
Catalogue No.: abx001574



Western blot analysis of extracts of various cell lines, using TNNC1 antibody (abx001574) at 1/1000 dilution.



Immunohistochemistry of paraffin-embedded human colon carcinoma using TNNC1 antibody (abx001574) at dilution of 1/100 (40x lens).



Immunofluorescence analysis of U2OS cells using TNNC1 antibody (abx001574). Blue: DAPI for nuclear staining.

TNNC1 Antibody is a Rabbit Polyclonal antibody against TNNC1. 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. The binding of calcium to TnC abolishes the inhibitory action of TnI, thus allowing the interaction of actin with myosin, the hydrolysis of ATP, and the generation of tension. Mutations in this gene are associated with cardiomyopathy dilated type 1Z.

<b>Target:</b>	TNNC1
<b>Reactivity:</b>	Human, Mouse
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Tested Applications:</b>	WB, IHC, IF/ICC

Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK  
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: [info@abbexa.com](mailto:info@abbexa.com)

**Recommended dilutions:** WB: 1/500 - 1/2000, IHC: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

**Immunogen:** Recombinant protein of human TNNC1.

**Purification:** Affinity purified.

**Form:** Liquid

**Isotype:** IgG

**Conjugation:** Unconjugated

**Storage:** Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

**Molecular Weight:** Calculated MW: 18 kDa  
Observed MW: 16 kDa

**Swiss Prot:** [P63316](#)

**GeneID:** [7134](#)

**Gene Symbol:** TNNC1

**Concentration:** > 1 mg/ml

**Buffer:** PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.

**Note:** This product is for research use only.