

Datasheet for ABIN7072313

Recombinant anti-TNNI3 antibody[Go to Product page](#)**2** Images

Overview

Quantity:	200 µg
Target:	TNNI3
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This TNNI3 antibody is un-conjugated
Application:	Western Blotting (WB), Surface Plasmon Resonance (SPR)

Product Details

Immunogen:	Cardiac Troponin I peptide (KISASRKLQLKT).
Clone:	ScFv 180
Isotype:	IgG1 lambda
Characteristics:	Original Species of Ab: Chicken Original Format of Ab: scFv
Purification:	Purified antibody.

Target Details

Target:	TNNI3
Alternative Name:	Cardiac Troponin I (TNNI3 Products)

Target Details

Background: TNNI3, cTnI, cTn-I

UniProt: [P19429](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: This full-length, chimeric mouse antibody was made using the variable domain sequences of the original Chicken scFv format, for improved compatibility with existing reagents, assays and techniques.

Restrictions: For Research Use only

Handling

Buffer: PBS with 0.02 % Proclin 300.

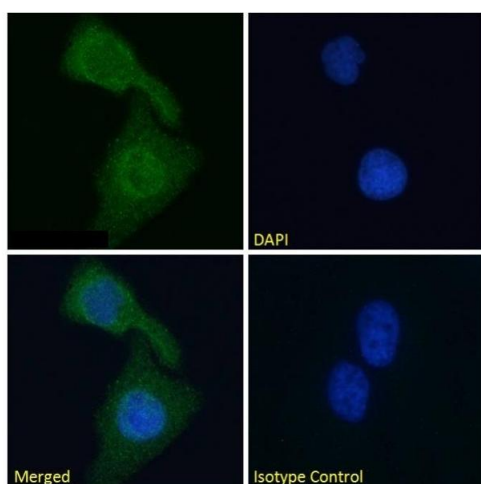
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

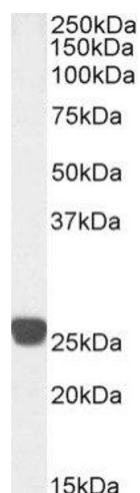
Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Images



Immunofluorescence

Image 1. Immunofluorescence staining of fixed HeLa cells with anti-Cardiac Troponin I antibody scFv 180. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells permeabilized with 0.15 % Triton and stained with the chimeric mouse IgG1 version of scFv 180 (ABIN7072313) at 10 µg/mL for 1h followed by Alexa Fluor®488 secondary antibody (2 µg/mL), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072313, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-unknown specificity



antibody followed by Alexa Fluor®488 secondary antibody.

Western Blotting

Image 2. Western Blot using anti-Cardiac Troponin I antibody scFv 180. Human heart lysate (35 µg protein in RIPA buffer) was resolved on a 10 % SDS PAGE gel and blots probed with the chimeric mouse IgG1 version of scFv 180 (ABIN7072313) at 0.001 µg/mL before detection using an anti-mouse secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The predicted running size for Cardiac Troponin I is 24.0 kDa. ABIN7072313 successfully detected Cardiac Troponin I in human heart lysate.