

Datasheet for ABIN7127431

Recombinant anti-CNN1 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CNN1
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CNN1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), ELISA

Product Details

Immunogen:	A synthesized peptide derived from human CNN1
Clone:	2H1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Affinity-chromatography

Target Details

Target:	CNN1
Alternative Name:	CNN1 (CNN1 Products)
Background:	Background: Thin filament-associated protein that is implicated in the regulation and

Target Details

modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity (By similarity).

Aliases: Calponin-1, Basic calponin, Calponin H1, smooth muscle, CNN1

UniProt: [P51911](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

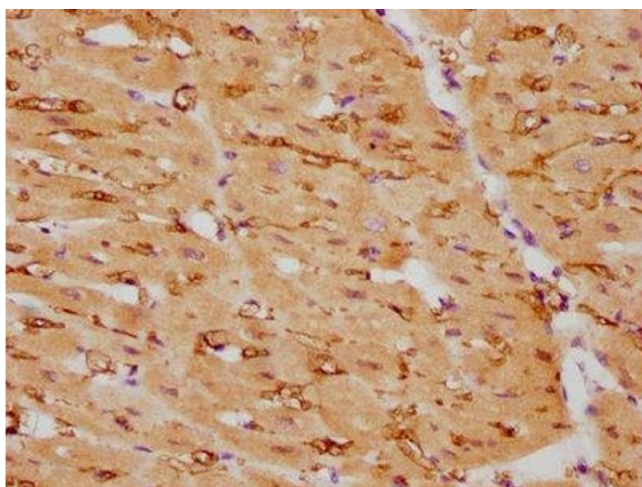
Preservative: Sodium azide

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

Storage: -20 °C,-80 °C

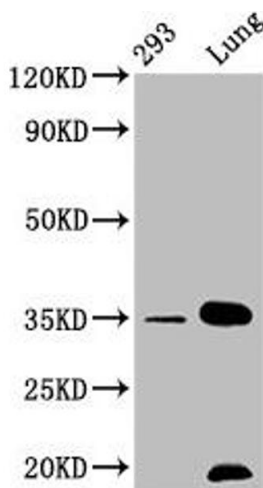
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. IHC image of ABIN7127431 diluted at 1:105 and staining in paraffin-embedded human heart tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: 293 whole cell lysate, Mouse lung tissue All lanes: CNN1 antibody at 1.05 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 34, 32 KDa Observed band size: 34 KDa