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CNN1 (N) Antibody, Rabbit Polyclonal

Cat#: R0197-1

Quantity: 100 ul

Predicted M.W.: 33 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P51911

Background:

Calponin-1 (CNN1) is a thin filament-associated protein implicated in the regulation and modulation of smooth muscle contraction. CNN1 is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of CNN1 with actin inhibits the actomyosin Mg-ATPase activity. CNN1 is part of cGMP kinase signaling complex at least composed of ACTA2/alpha-actin, CNN1/calponin H1, PLN/phospholamban, PRKG1 and ITPR1.

Other Names:

Calponin-1, Basic calponin, Calponin H1, smooth muscle

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human CNN1. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:5,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

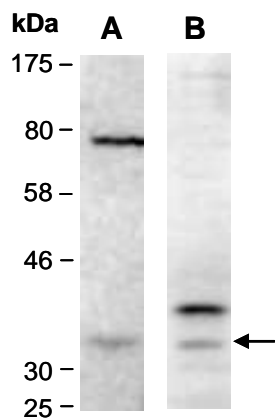


Fig 1. Western blot of total cell extracts from mouse mammary gland, using Abs (A: R0197-1; B: R0197-2) at RT for 2 h.