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ACTN4 (N) Antibody, Rabbit Polyclonal

Cat#: R2835-1

Quantity: 100 ul

Predicted | Observed M.W.: 105 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: O43707

Background:

Alpha-actinin-4 (ACTN4) is a bundling protein belonging to the alpha-actinin family. ACTN4 is an F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. ACTN4 is probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation. Additionally, ACTN4 is involved in tight junction assembly in epithelial cells probably through interaction with MICALL2. ACTN4 links MICALL2 to the actin cytoskeleton and recruits it to the tight junctions.

Other Names:

Alpha-actinin-4, F-actin cross-linking protein, Non-muscle alpha-actinin 4

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human ACTN4. 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: 1:1,000-1:3,000 (detect endogenous protein*)

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

Product Data:

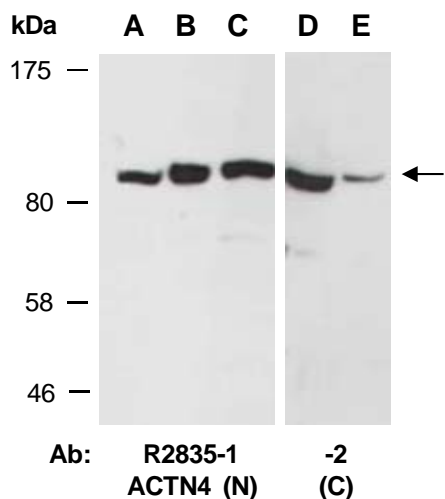


Fig 1. Western blot of total cell extracts from A) mouse thymus; B, D) human HeLa; C, E) human Jurkat; using 2 independent Abs against 2 distinct regions of human ACTN4 at RT for 2 h.