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TPM4 (N) Antibody, Rabbit Polyclonal

Cat#: R2851-1

Quantity: 100 ul

Predicted | Observed M.W.: 29 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P67936

Background:

Tropomyosin alpha-4 chain (TPM4) belongs to the tropomyosin family and binds to actin filaments in muscle and non-muscle cells. TPM4 plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. TPM4 in non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.

Other Names:

Tropomyosin alpha-4 chain, TM30p1, Tropomyosin-4

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human TPM4. 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:

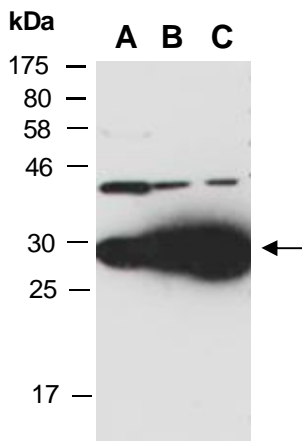


Fig 1. Western blot of total cell extracts from A) mouse thymus, B) human HeLa, C) human Jurkat; using anti-TPM4 (N) (R2851-1) at RT for 2 h.