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TNFRSF1B (C2) Antibody, Rabbit Polyclonal

Cat#: R1103-2

Quantity: 100 ul

Predicted | Observed MW: 48 | 75 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P20333

Background:

Tumor necrosis factor receptor superfamily member 1B (TNFRSF1B) is a member of the TNF-receptor superfamily. TNFRSF1B and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. The function of IAPs in TNF-receptor signaling is unknown; however, c-IAP1 is thought to potentiate TNF-induced apoptosis by the ubiquitination and degradation of TNF-receptor-associated factor 2 (TRAF2), which mediates anti-apoptotic signals. Knockout studies in mice also suggest a role of this protein in protecting neurons from apoptosis by stimulating antioxidative pathways. TNFRSF1B can be further cleaved into 2 forms: the membrane form of TNFRSF1B and the secreted form Tumor necrosis factor-binding protein 2 (TBP2). TNFRSF1B also has 2 isoforms. Isoform 2 is a secreted form lacking the C-terminal 200 amino acids, which can block TNF-alpha-induced apoptosis, suggesting that it regulates TNF-alpha function by antagonizing its biological activity.

Other Names:

Tumor necrosis factor receptor superfamily member 1B, Tumor necrosis factor receptor 2, TNF-R2, Tumor necrosis factor receptor type II, TNF-RII, TNFR-II, p75, p80 TNF-alpha receptor, CD120b

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of mouse TNFRSF1B. 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.

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.

Species Specificity:

Human, Mouse

Product Data:

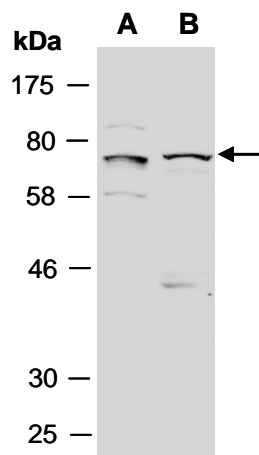


Fig 1. Western blot of total cell extracts from (A) mouse thymus, (B) human HeLa; using anti-TNFRSF1B (C2) (R1103-2) at RT for 2 h.