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TICAM2 (M) Antibody, Rabbit Polyclonal

Cat#: R3200-2

Lot#: Refer to vial

Quantity: 100 ul

Application: WB

Predicted | Observed M.W.: 27, 46 | 27 kDa

Uniprot ID: Q86XR7

Background:

TIR domain-containing adapter molecule 2 (TICAM2) functions as sorting adapter in LPS-TLR4 signaling to regulate the MYD88-independent pathway during the innate immune response to LPS. TICAM2 physically bridges TLR4 and TICAM1 and functionally transmits LPS-TLR4 signal to TICAM1; signaling is proposed to occur in early endosomes after endocytosis of TLR4. TICAM2 may also be involved in IL1-triggered NF-kappa-B activation, functioning upstream of IRAK1, IRAK2, TRAF6, and IKKB; however, reports are controversial. Two isoforms of TICAM2 have been identified: isoform 1 (also known as TRAM) and isoform 2 (also known as TAG; TRAM adaptor with GOLD domain), which differ at their N-terminus. Isoform 2 is proposed to inhibit LPS-TLR4 signaling at the late endosome by interaction with isoform 1; thereby disrupting the association of isoform 1 with TICAM1.

Other Names:

TIR domain-containing adapter molecule 2, TICAM-2, Putative NF-kappa-B-activating protein 502, TRIF-related adapter molecule, Toll-like receptor adaptor protein 3, Toll/interleukin-1 receptor domain-containing protein, MyD88-4, TIRAP3, TIRP, TRAM

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing middle region of human TICAM2. 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

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.

For research use only. Not for therapeutic or diagnostic purposes.
Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301

Product Data:

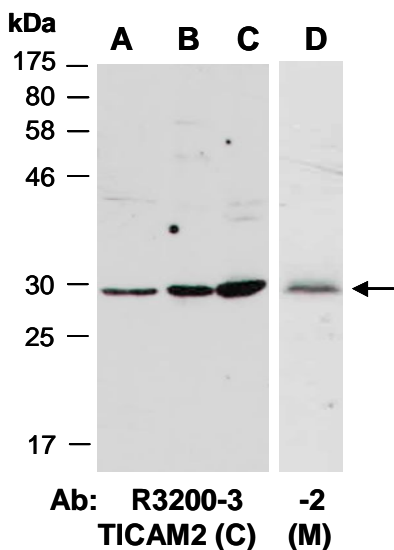


Fig 1. Western blot of total cell extracts from A) mouse thymus, B, D) human HeLa, C) human Jurkat; using 2 independent Abs against 2 distinct regions of human TICAM2 at RT for 2 h. These 2 Abs predominately recognize TICAM2 isoform 1.