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TICAM2 Isoform 2 (N) Antibody, Rabbit Polyclonal

Cat#: R3200-1

Quantity: 100 ul

Predicted | Observed M.W.: 46 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q86XR7-2

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 N-terminal region of human TICAM2 isoform 2. 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:

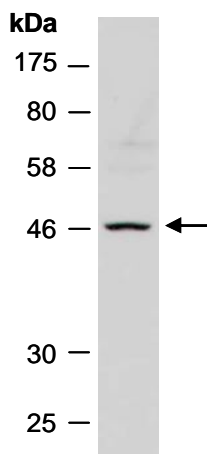


Fig 1. Western blot of total cell extracts from human HeLa; using anti-TICAM2 isoform 2 (N) (R3200-1) at RT for 2 h.