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TLR4 (C) Antibody, Rabbit Polyclonal

Cat#: R1127-2

Quantity: 100 ul

Predicted | Observed M.W.: 96 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: O00206

Background:

Toll-like receptor 4 (TLR4) is a single-pass type I membrane protein belonging to the Toll-like receptor family. TLR4 cooperates with LY96 and CD14 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). TLR4 acts via MYD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. TLR4 is also involved in LPS-independent inflammatory responses triggered by Ni²⁺.

Other Names:

Toll-like receptor 4, hToll, CD284

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human TLR4. 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:

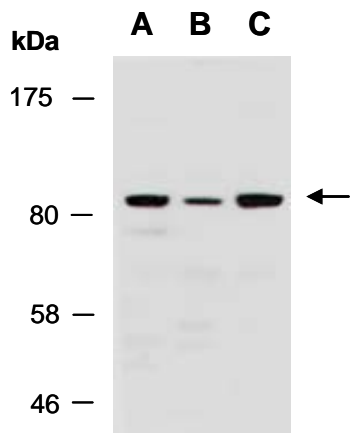


Fig 1. Western blot of total cell extracts from A) mouse thymus; B) human HeLa; C) human Jurkat, using anti-TLR4 (C) (R1127-2) at RT for 2 h.