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NOD2 (C) Antibody, Rabbit Polyclonal

Cat#: R3204-2

Quantity: 100 ul

Predicted | Observed M.W.: 115 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9HC29

Background:

Nucleotide-binding oligomerization domain-containing protein 2 (NOD2) recognizes muramyl dipeptide (MDP) constituents of bacterial peptidoglycans and plays a key role in gastrointestinal immunity: upon stimulation, NOD2 binds to the proximal adapter receptor-interacting RIPK2, which recruits ubiquitin ligases as XIAP, BIRC2, BIRC3 and the LUBAC complex, triggering activation of MAP kinases and activation of NF-kappa-B signaling, leading to activate the transcription of hundreds of genes involved in immune response.

Other Names:

Nucleotide-binding oligomerization domain-containing protein 2, Caspase recruitment domain-containing protein 15, Inflammatory bowel disease protein 1, CARD15, IBD1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human NOD2. 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: 1:500-1:2,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

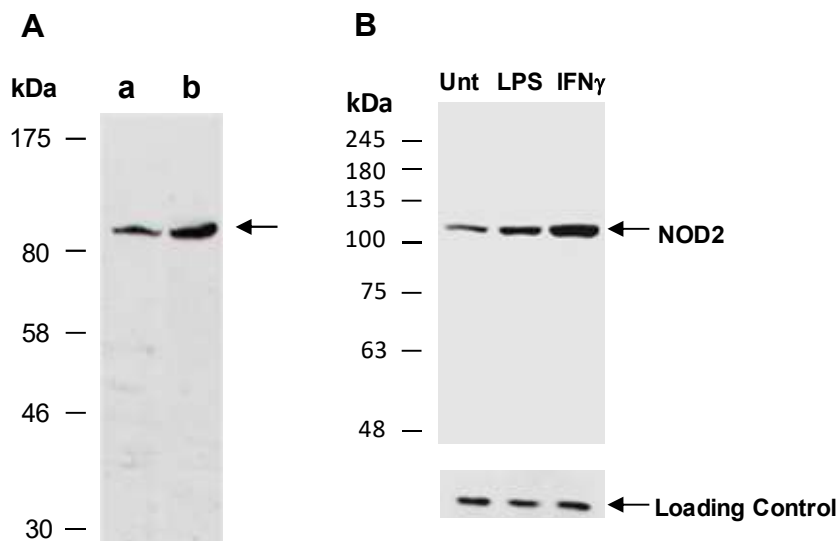


Fig 1. A) Western blot of total cell extracts from a) mouse thymus; b) human Jurkat; using anti-NOD2 (C) (R3204-2) at RT for 2 h.
B) Western blot analysis of equal amounts of total protein extracts from murine RAW 264.7 macrophage cells, untreated (Unt) or treated with LPS (20 ng/ml) or Interferon-gamma (IFN γ , 10 ng/ml) for 20 hrs, using anti-NOD2 (C) (R3204-2) at RT for 2 h.