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## **NOD2 (N) Antibody, Rabbit Polyclonal**

**Cat#: R3204-1**

**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 N-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% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

### **Species Specificity:**

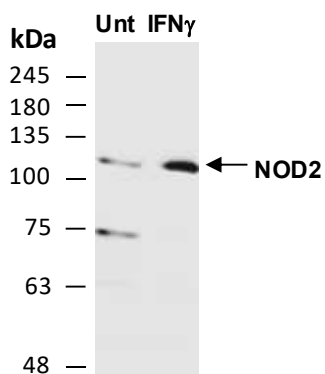
Human, Mouse

### **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.** Western blot analysis of equal amounts of total protein extracts from murine RAW 264.7 macrophage cells, untreated (Unt) or treated with Interferon-gamma (IFN $\gamma$ , 10 ng/ml) for 20 hrs, using anti-NOD2 (N) (R3204-1) at RT for 2 h.