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## **NFKBIB (M) Antibody, Rabbit Polyclonal**

**Cat#: R1348-1**

**Quantity: 100 ul**

**Predicted | Observed M.W.: 38 | 44, 48 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: Q15653**

### **Background:**

NF-kappa-B inhibitor beta (NFKBIB) is also known as I-kappa-B-beta (IKBB), which belongs to the NF-kappa-B inhibitor family. NFKBIB inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm in unstimulated cells. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664 or IKBKB, MIM 603258) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs. However, the unphosphorylated form resynthesized after cell stimulation is able to bind NF-kappa-B allowing its transport to the nucleus and protecting it to further NFKBIA-dependent inactivation. Association of NFKBIB with inhibitor kappa B-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it more resistant to degradation, explaining its slower degradation.

### **Other Names:**

NF-kappa-B inhibitor beta, NF-kappa-BIB, I-kappa-B-beta, Ikb-B, Ikb-beta, IkappaBbeta, Thyroid receptor-interacting protein 9, TR-interacting protein 9, TRIP-9, IKBB, TRIP9

### **Source and Purity:**

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

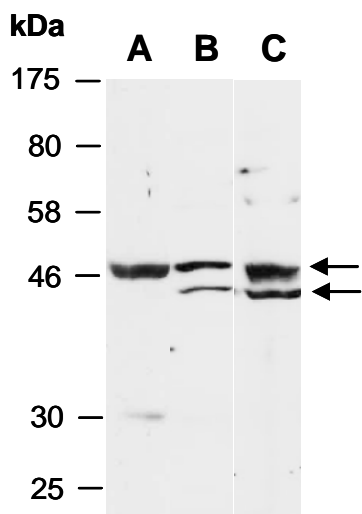
Human, Mouse

### **Tested Applications:**

WB: 1:1,000-1:3,000 (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 brain, (B) mouse thymus, (C) human Jurkat; using anti-NFKB1B (M) (R1348-1) at RT for 2 h.