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## **ING3 (C) Antibody, Rabbit Polyclonal**

**Cat#: R1869-2**

**Quantity: 100 ul**

**Predicted | Observed M.W.: 47 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: Q9NXR8**

### **Background:**

Inhibitor of growth protein 3 (ING3) is a component of the NuA4 histone acetyltransferase (HAT) complex involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage.

### **Other Names:**

Inhibitor of growth protein 3, p47ING3, Eaf4, FLJ20089, MEAF4, p47ING3

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human ING3. 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:**

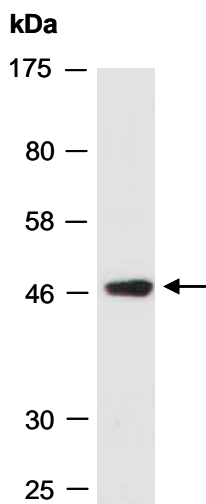
Human, Mouse

### **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 mouse thymus, using anti-ING3 (C) (R1869-2) at RT for 2 h.