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## **ING4 (C) Antibody, Rabbit Polyclonal**

**Cat#: R0450-2**

**Quantity: 100 ul**

**Predicted | Observed M.W.: 29 | 31 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: Q9UNL4**

### **Background:**

Inhibitor of growth protein 4 (ING4) is a nuclear protein that contains 1 PHD-type zinc finger. ING4 is a component of the HBO1 complex, which has a histone H4-specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. Through chromatin acetylation it may function in DNA replication. ING4 may also inhibit tumor progression by modulating the transcriptional output of signaling pathways which regulate cell proliferation. ING4 can suppress brain tumor angiogenesis through transcriptional repression of RELA/NFKB3 target genes when complexed with RELA. ING4 may also specifically suppress loss of contact inhibition elicited by activated oncogenes such as MYC.

### **Other Names:**

Inhibitor of growth protein 4, p29ING4, My036

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human ING4. 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:**

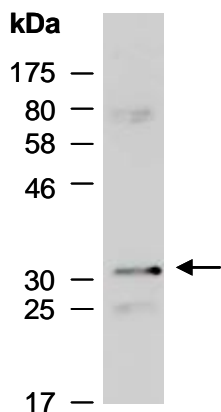
Human, Mouse

### **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 brain; using anti-ING4 (C) (R0450-2) at RT for 2 h.