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## TERF2IP (N) Antibody, Rabbit Polyclonal

**Cat#: R1207-1**

**Quantity: 100 ul**

**Predicted | Observed M.W.: 44 | 56 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: Q9NYB0**

### **Background:**

Telomeric repeat-binding factor 2-interacting protein 1 (TERF2IP) belongs to the RAP1 family. TERF2IP acts both as a regulator of telomere function and as a transcription regulator. It is involved in the regulation of telomere length and protection as a component of the shelterin complex (telosome). In contrast to other components of the shelterin complex, it is dispensable for telomere capping and does not participate in the protection of telomeres against non-homologous end-joining (NHEJ)-mediated repair. Instead, it is required to negatively regulate telomere recombination and is essential for repressing homology-directed repair (HDR), which can affect telomere length.

### **Other Names:**

Telomeric repeat-binding factor 2-interacting protein 1, TERF2-interacting telomeric protein 1, TRF2-interacting telomeric protein 1, Dopamine receptor-interacting protein 5, Repressor/activator protein 1 homolog, RAP1 homolog, hRap1, DRIP5, RAP1

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human TERF2IP. 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:**

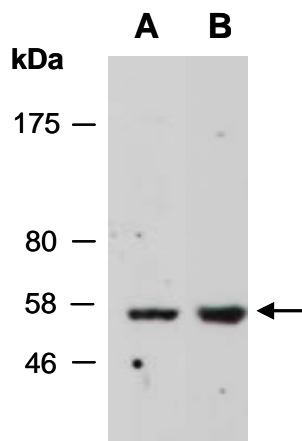
Human, Mouse

### **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; using anti-TERF2IP (N) (R1207-1) at RT for 2 h.