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## **RUNX2 (C2) Antibody, Rabbit Polyclonal**

**Cat#: R0597-3**

**Quantity: 100 ul**

**Predicted | Observed MW: 66 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: Q08775**

### **Background:**

Runt-related transcription factor 2 (RUNX2) is a transcription factor involved in osteoblastic differentiation and skeletal morphogenesis. RUNX2 is essential for the maturation of osteoblasts and both intramembranous and endochondral ossification. Phosphorylation by HIPK3 is required for the SPEN/MINT and FGF2 transactivation during osteoblastic differentiation. In osteoblasts, RUNX2 supports transcription activation: synergizes with SPEN/MINT to enhance FGFR2-mediated activation of the osteocalcin FGF-responsive element (OCFRE).

### **Other Names:**

Runt-related transcription factor 2, Acute myeloid leukemia 3 protein, Core-binding factor subunit alpha-1, CBF-alpha-1, AML-3, Osteoblast-specific transcription factor 2, OSF-2, Polyomavirus enhancer-binding protein 2 alpha A subunit, PEA2-alpha A, PEBP2-alpha A, SL3-3 enhancer factor 1 alpha A subunit, SL3/AKV core-binding factor alpha A subunit, Aml3, Cbfa1, Osf2, Pebp2a

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of mouse RUNX2. 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:**

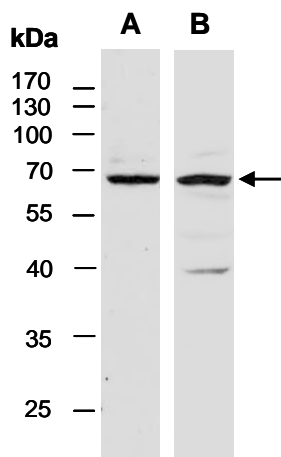
Mouse

### **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 2 independent Abs against 2 distinct regions of mRUNX2 [A: RUNX2 (C1) (R0597-2); B: RUNX2 (C2) (R0597-3)] at RT for 2 h.