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## **SMARCA4 (N) Antibody, Rabbit Polyclonal**

**Cat#: R1393-1**

**Quantity: 100 ul**

**Predicted | Observed M.W.: 185 | 220 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: P51532**

### **Background:**

Transcription activator BRG1 (SMARCA4) belongs to the SNF2/RAD54 helicase family and is a transcriptional coactivator cooperating with nuclear hormone receptors to potentiate transcriptional activation. SMARCA4 is a component of the CREST-BRG1 complex, a multiprotein complex that regulates promoter activation by orchestrating a calcium-dependent release of a repressor complex and a recruitment of an activator complex. In resting neurons, transcription of the c-FOS promoter is inhibited by BRG1-dependent recruitment of a phospho-RB1-HDAC repressor complex.

### **Other Names:**

Transcription activator BRG1, ATP-dependent helicase SMARCA4, BRG1-associated factor 190A, BAF190A, Mitotic growth and transcription activator, Protein BRG-1, Protein brahma homolog 1, SNF2-beta, SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 4, BAF190A, BRG1, SNF2B, SNF2L4

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human SMARCA4. 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:**

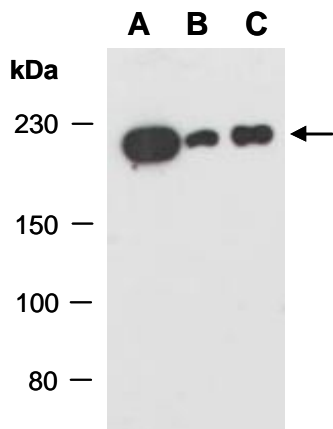
Human, Mouse

### **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 thymus; B) human HeLa; C) human Jurkat; using anti-SMARCA4 (N) (R1393-1) at RT for 2 h.