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## **SOD1 (C) Antibody, Rabbit Polyclonal**

**Cat#:** R2276-2

**Quantity:** 100 ul

**Predicted | Observed M.W.:** 16 kDa

**Lot#:** Refer to vial

**Application:** WB

**Uniprot ID:** P00441

### **Background:**

Superoxide dismutase 1 (SOD1) binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. SOD1 is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occurring but harmful superoxide radicals to molecular oxygen and hydrogen peroxide. Mutations in the SOD1 gene have been implicated as causes of familial amyotrophic lateral sclerosis.

### **Other Names:**

ALS, ALS1, IPOA, Superoxide dismutase [Cu-Zn], Superoxide dismutase 1, hSod1

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human SOD1. 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:**

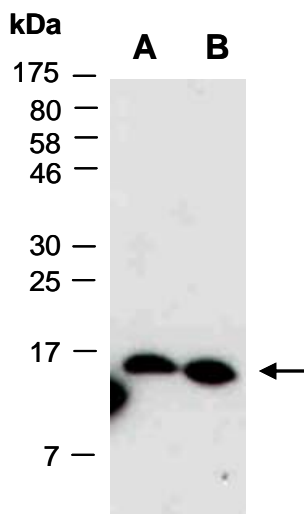
Human

### **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 A) human HeLa, B) human Jurkat; using anti-SOD1 (C) (R2276-2) at RT for 2 h.