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## **CST7 (N) Antibody, Rabbit Polyclonal**

**Cat#: R0892-1**

**Quantity: 100 ul**

**Predicted | Observed M.W.: 16 | 22 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: O76096**

### **Background:**

The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions. Cystatin-7 (CST7) is a glycosylated cysteine protease inhibitor with a putative role in immune regulation through inhibition of a unique target in the hematopoietic system. Expression of the CST7 protein has been observed in various human cancer cell lines established from malignant tumors.

### **Other Names:**

Leukocystatin, CMAP, Cystatin-like metastasis-associated protein, Cystatin-7, Cystatin-F

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human CST7. 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:**

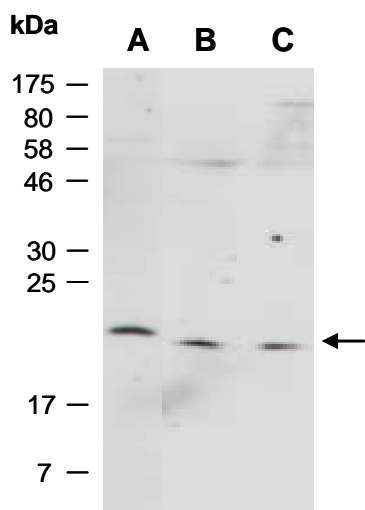
Human, Mouse

### **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) human HeLa; C) human Jurkat; using anti-CST7 (N) (R0892-1) at RT for 2 h.