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## ICOS (N2) Antibody, Rabbit Polyclonal

**Cat#:** R0717-2

**Quantity:** 100 ul

**Predicted | Observed M.W.:** 23 | 28 kDa

**Lot#:** Refer to vial

**Application:** WB

**Uniprot ID:** Q9Y6W8

### **Background:**

Inducible T-cell costimulator (ICOS) enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells. ICOS is essential both for efficient interaction between T and B-cells and for normal antibody responses to T-cell dependent antigens. ICOS does not up-regulate the production of interleukin-2, but superinduces the synthesis of interleukin-10. ICOS prevents the apoptosis of pre-activated T-cells and plays a critical role in CD40-mediated class switching of immunoglobulin isotypes. Defects in ICOS are the cause of immunodeficiency common variable type 1.

### **Other Names:**

Inducible T-cell costimulator, Activation-inducible lymphocyte immunomediatory molecule, CD278, AILIM

### **Source and Purity:**

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

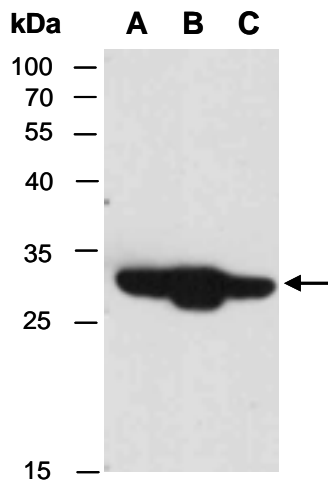
Human, Mouse

### **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 spleen, (C) mouse liver; using anti-ICOS(N2) (R0717-2) at RT for 2 h.