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## **PERFORIN (M) Antibody, Rabbit Polyclonal**

**Cat#: R0242-1**

**Quantity: 100 ul**

**Predicted M.W.: 62 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: P10820**

### **Background:**

PERFORIN (PRF1) is a cytolytic protein found in the granules of CD8 T-cells and NK cells. Upon degranulation, PERFORIN inserts itself into the target cell's plasma membrane, forming a pore. The lytic membrane-inserting part of PERFORIN is the MACPF domain, which shares homology with cholesterol-dependent cytolysins from Gram-positive bacteria. PERFORIN has structural and functional similarities to complement component 9 (C9). Like C9, PERFORIN creates transmembrane tubules and is capable of lysing non-specifically a variety of target cells. PERFORIN is one of the main cytolytic proteins of cytolytic granules, and it is known to be a key effector molecule for T-cell- and natural killer-cell-mediated cytotoxicity. Defects in PERFORIN cause familial hemophagocytic lymphohistiocytosis type 2 (HPLH2), a rare and lethal autosomal recessive disorder of early childhood.

### **Other Names:**

Cytolysin, Lymphocyte pore-forming protein, P1, PRF1, PFP

### **Source and Purity:**

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

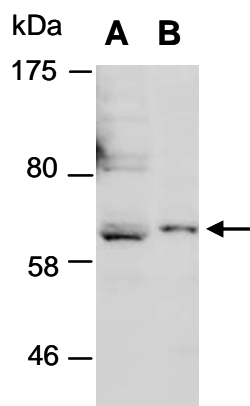
WB: 1:1,000-1:5,000 (detect recombinant protein)

\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

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**For research use only. Not for therapeutic or diagnostic purposes.  
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**Product Data:**



**Fig 1.** Western blot of total cell extracts from (A) human Jurkat, (B) mouse liver, using Ab (R0242-1) at RT for 2 h.