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## ATM (C) Antibody, Rabbit Polyclonal

**Cat#: R1529-2**

**Quantity: 100 ul**

**Predicted | Observed M.W.: 351 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: Q13315**

### **Background:**

Ataxia telangiectasia mutated (ATM) is a serine protein kinase that belongs to the PI3/PI4-kinase family. ATM is an important cell cycle checkpoint kinase that functions as a regulator of a wide variety of downstream proteins, including tumor suppressor proteins p53 and BRCA1, checkpoint kinase CHK2, checkpoint proteins RAD17 and RAD9, and DNA repair protein NBS1. ATM and the closely related kinase ATR are thought to be master controllers of cell cycle checkpoint signaling pathways that are required for the cell response to DNA damage and for genome stability. Mutations in the ATM gene are associated with ataxia telangiectasia, an autosomal recessive disorder.

### **Other Names:**

Ataxia telangiectasia mutated, Serine-protein kinase ATM, A-T mutated, ATA, ATC, ATD, ATDC, TEL1, TELO1

### **Source and Purity:**

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

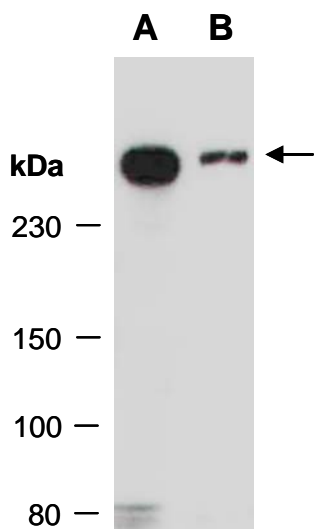
Human

### **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 from A) human HeLa; B) human Jurkat; using anti-ATM (C) (R1529-2) at RT for 2 h.