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## **MMS21 (C) Antibody, Rabbit Polyclonal**

**Cat#: R0258-2**

**Quantity: 100 ul**

**Predicted M.W.: 28 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: Q96MF7**

### **Background:**

MMS21 is also known as E3 SUMO-protein ligase NSE2E3, which is a SUMO-protein ligase component of the SMC5-SMC6 complex, a complex involved in DNA double-strand breaks by homologous recombination. The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. MMS21 acts as a E3 ligase mediating SUMO attachment to various proteins such as SMC6L1 and TRAX, and maybe the cohesin components RAD21 and STAG2. The SUMO protein-ligase activity of MMS21 is required for the prevention of DNA damage-induced apoptosis by facilitating DNA repair.

### **Other Names:**

E3 SUMO-protein ligase NSE2, MMS21 homolog, hMMS21, Non-structural maintenance of chromosomes element 2 homolog, Non-SMC element 2 homolog, NSMCE2, C8orf36, MMS21

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human MMS21. 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:**

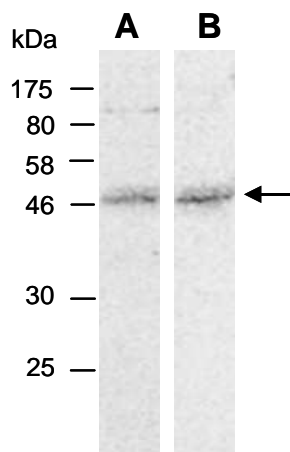
Human

### **Tested Applications:**

WB: 1:1,000-1:5,000 (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 human MCF7, using 2 independent Abs against 2 distinct regions of human MMS21 [A: R0258-1 (N-terminal); B: R0258-2 (C-terminal)] at RT for 2 h. The observed M.W. of MMS21 is approximately 46 kD.