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## **ESR1 (C) Antibody, Rabbit Polyclonal**

**Cat#: R0277-1**

**Quantity: 100 ul**

**Predicted M.W.: 66 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: P03372**

### **Background:**

Estrogen receptor 1 (ESR1) belongs to the nuclear hormone receptor family, NR3 subfamily. ESR1 is a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding and activation of transcription. ESR1 localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, and they also play a role in other tissues such as bone. In addition, estrogen receptors are involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis.

### **Other Names:**

Estrogen receptor, ER, ER-alpha, Estradiol receptor, Nuclear receptor subfamily 3 group A member 1, ESR, NR3A1

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human ESR1. 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\*)

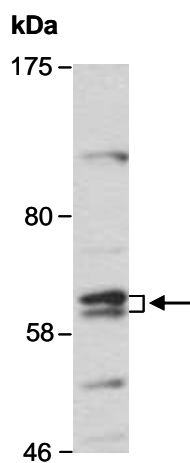
\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.



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**Product Data:**



**Fig 1.** Western blot of total cell extracts from human MCF7, using Ab (R0277-1) at RT for 2 h.

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