

## 35-1071: Polyclonal Antibody to Estrogen Receptor- Alpha (Phospho-Ser167)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	ESR1
<b>Gene ID :</b>	2099
<b>Uniprot ID :</b>	P03372
<b>Format :</b>	Purified
<b>Alternative Name :</b>	ER, ESR, ESR1, ESTR, ESTRA
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around phosphorylation site of serine 167 (L-A-S(p)-T-N) derived from Human Estrogen Receptor- $\alpha$ .

### Description

Nuclear hormone receptor. The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Feinmesser RL,et al. (1999) J Biol Chem; 274(23): 16168-73. Gamou S,et al. (1995)FEBS Lett; 357(2): 161-4. Gamou S, et al. (1994)J Cell Physiol; 158(1): 151-9. Heisermann GJ, et al. (1988) J Biol Chem; 263(26): 13152-8.

### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 66kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

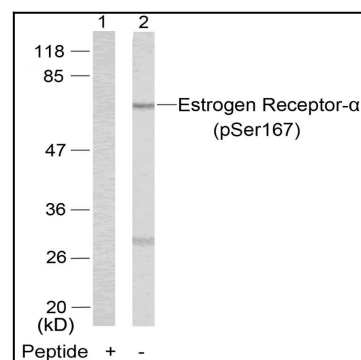


Figure 1: Western blot analysis of extracts from MCF7 cells using Estrogen Receptor- $\alpha$ (Phospho-Ser167) Antibody 35-1071 (Lane 2) and the same antibody preincubated with blocking peptide(Lane1).

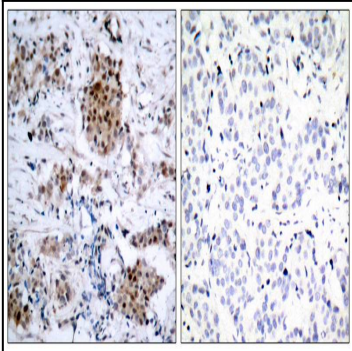


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Estrogen Receptor-a(Phospho-Ser167) Antibody 35-1071 (left) or the same antibody preincubated with blocking peptide(right).

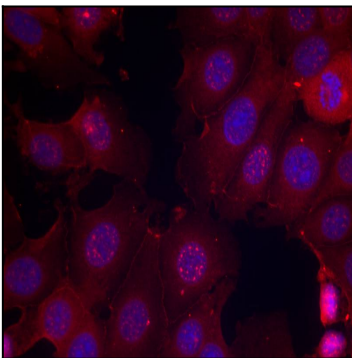


Figure 3: Immunofluorescence staining of methanol-fixed MCF cells using Estrogen Receptor-a(Phospho-Ser167) Antibody 35-1071 .