

## Phospho-ESR1-S104

**Reactivity:** Human Mouse

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:100

**Calculated MW:** 66kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A phospho specific peptide corresponding to residues surrounding S104 of human ESR1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

kq

**Synonym:**

ER; ESR; Era; ESRA; ESTRR; NR3A1;

**Catalog #:** AP0145

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 2099

**Isotype:** IgG

**Swiss Prot:** P03372

**Purity:** Affinity purification

For research use only.

**Background:**

This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein 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, but also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative splicing results in several transcript variants, which differ in their 5' UTRs and use different promoters.

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