

AP0145

Leader in Biomolecular Solutions for Life Science



# Phospho-ESR $\alpha$ -S104 Rabbit pAb

Catalog No.: AP0145

## Basic Information

### Observed MW

66kDa

### Calculated MW

66kDa

### Category

Polyclonal Antibody

### Applications

WB

### Cross-Reactivity

Human

## Background

This gene encodes an estrogen receptor and ligand-activated transcription factor. The canonical protein contains an N-terminal ligand-independent transactivation domain, a central DNA binding domain, a hinge domain, and a C-terminal ligand-dependent transactivation domain. The protein localizes to the nucleus where it may form either a homodimer or a heterodimer with estrogen receptor 2. The protein encoded by this gene regulates the transcription of many estrogen-inducible genes that play a role in growth, metabolism, sexual development, gestation, and other reproductive functions and is expressed in many non-reproductive tissues. The receptor encoded by this gene plays a key role in breast cancer, endometrial cancer, and osteoporosis. This gene is reported to have dozens of transcript variants due to the use of alternate promoters and alternative splicing, however, the full-length nature of many of these variants remain uncertain.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

2099

### Swiss Prot

P03372

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

ER; ESR; Era; ESRA; ESTRR; NR3A1; Phospho-ESR $\alpha$ -S104

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

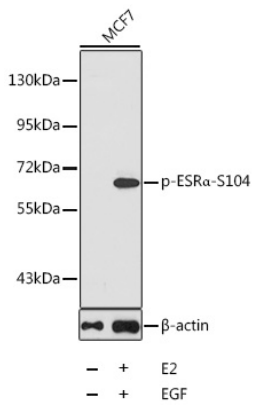
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from MCF-7 cells using Phospho-ESR $\alpha$ -S104 Rabbit pAb (AP0145).  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% BSA.