

---

## Phospho-Estrogen Receptor alpha (Ser167) Rabbit pAb

Catalog Number: bs-0894R

Target Protein: Phospho-Estrogen Receptor alpha (Ser167)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (0.2µg /test), ICC/IF (1:100)

Reactivity: Human, Rat

Predicted MW: 66 kDa

Entrez Gene: 2099

Swiss Prot: P03372

Source: KLH conjugated Synthesised phosphopeptide derived from human Estrogen Receptor alpha around the phosphorylation site of Ser167: LA(p-S)TN.

Purification: affinity purified by Protein A

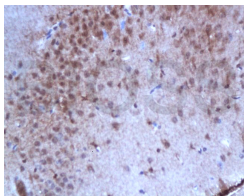
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

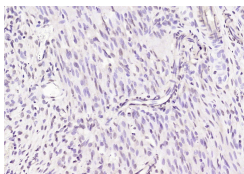
**Background:** Estrogen and progesterone receptor are members of a family of transcription factors that are regulated by the binding of their cognate ligands. The interaction of hormone-bound estrogen receptors with estrogen responsive elements(EREs) alters transcription of ERE-containing genes. The carboxy terminal region of the estrgen receptor contains the ligand binding domain, the amino terminus serves as the transactivation domain, and the DNA binding domain is centrally located. Two forms of estrogen receptor have been identified, ER Alpha and ER Beta. ER Alpha and ER Beta have been shown to be differentially activated by various ligands. The biological response to progesterone is mediated by two distinct forms of the human progesterone receptor (hPR-A and hPR-B), which arise from alternative splicing. In most cells, hPR-B functions as a transcriptional activator of progesterone-responsive gene, whereas hPR-A function as a transcriptional inhibitor of all steroid hormone receptors.

### VALIDATION IMAGES

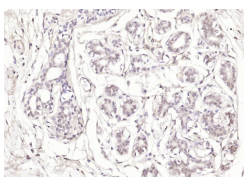
---



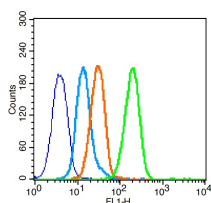
Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Phospho-Estrogen Receptor alpha (Ser167) Polyclonal Antibody, Unconjugated (bs-0894R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



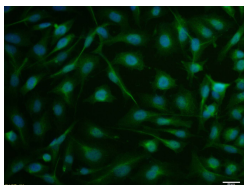
Paraformaldehyde-fixed, paraffin embedded (rat uterus); Antigen retrieval by boiling in sodium citrate buffer (pH 6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-Estrogen Receptor alpha (Ser167)) Polyclonal Antibody, Unconjugated (bs-0894R) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human breast); Antigen retrieval by boiling in sodium citrate buffer (pH 6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-Estrogen Receptor alpha (Ser167)) Polyclonal Antibody, Unconjugated (bs-0894R) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) (sp-0023) instructions and DAB staining.



Blank control (blue line): MCF7 (blue). Primary Antibody (green line): Rabbit Anti-Phospho-Estrogen Receptor alpha (Ser167) antibody (bs-0894R) Dilution: 0.2 µg / 10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC Dilution: 1 µg / test. Protocol The cells were fixed with 80% ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2% BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



MCF7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-Estrogen Receptor alpha (Ser167)) polyclonal Antibody, Unconjugated (bs-0894R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.