

Phospho-ESR α -S167 Rabbit pAb

Catalog No.: AP0348 **1 Publications**

Basic Information

Observed MW

66kDa

Calculated MW

35kDa/47kDa/53kDa/66kDa

Category

Primary antibody

Applications

WB, IHC, IF/ICC

Cross-Reactivity

Human

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 promoter usage and alternative splicing result in dozens of transcript variants, but the full-length nature of many of these variants has not been determined.

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:100
IF/ICC	1:100 - 1:200

Immunogen Information

Gene ID

2099

Swiss Prot

P03372

Immunogen

A synthetic phosphorylated peptide around S167 of human Estrogen Receptor alpha (ESR1) (NP_000116.2).

Synonyms

ESR1;ER;ESR;ESRA;ESTRR;Era;NR3A1;ER alpha

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

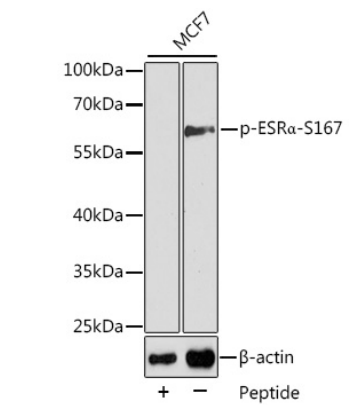
Affinity purification

Storage

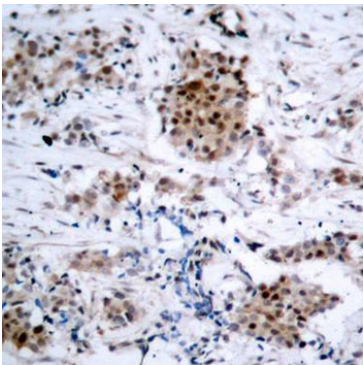
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thiomersal, 50% glycerol, pH7.3.

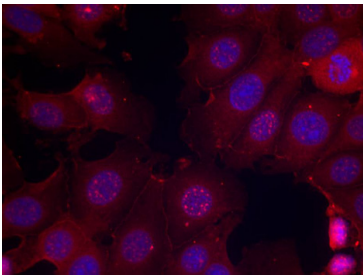
Validation Data



Western blot analysis of extracts from MCF7 cells using Phospho-ESRα-S167 antibody (AP0348).
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% BSA.



Immunohistochemistry of paraffin-embedded human breast carcinoma using Phospho-ESRα-S167 antibody (AP0348).



Immunofluorescence analysis of methanol-fixed MCF-7 cells using Phospho-ESRα-S167 antibody (AP0348).