

AP0507

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Phospho-ESR α -S118 Rabbit pAb

Catalog No.: AP0507

Basic Information

Observed MW

Refer to figures

Calculated MW

66kDa

Category

Polyclonal Antibody

Applications

WB,ELISA

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

A synthetic phosphorylated peptide around S118 of human Estrogen Receptor alpha (ESR1) (NP_000116.2).

Synonyms

ER; ESR; Era; ESRA; ESTRR; NR3A1; Phospho-ESR α -S118

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 0.02% sodium azide, 50% glycerol, pH7.3.