

A3198

Leader in Biomolecular Solutions for Life Science



ESR α Rabbit pAb

Catalog No.: A3198

Basic Information

Observed MW

66kDa

Calculated MW

66kDa

Category

Polyclonal Antibody

Applications

WB

Cross-Reactivity

Human,Mouse,Rat

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 1:200 - 1:500

Immunogen Information

Gene ID

2099

Swiss Prot

P03372

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

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

Contact

 www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

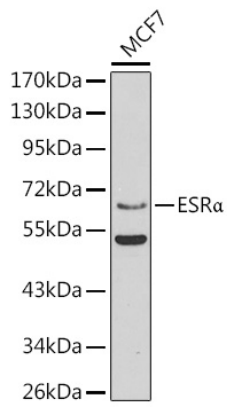
Affinity purification

Storage

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

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

Validation Data



Western blot analysis of lysates from MCF-7 cells, using ESR α Rabbit pAb (A3198).
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.