

# ESR $\alpha$ Rabbit mAb

Catalog No.: A12976

Recombinant

4 Publications

## Basic Information

**Observed MW**

66kDa

**Calculated MW**

66kDa

**Category**

Primary antibody

**Applications**

ELISA,WB

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC0199

## 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 1:1000 - 1:2000

## Immunogen Information

**Gene ID**

2099

**Swiss Prot**

P03372

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 50-150 of human Estrogen Receptor alpha (ESR $\alpha$ ) (P03372).

**Synonyms**ER; ESR; Era; ESRA; ESTRR; NR3A1; ESR $\alpha$ 

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

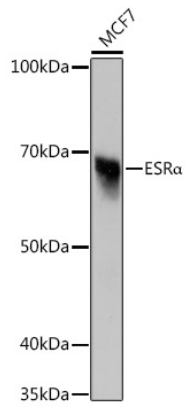
**Storage**

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

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of lysates from MCF7 cells, using ESR $\alpha$  Rabbit mAb (A12976) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 60s.