

# ESR $\alpha$ Rabbit mAb

Catalog No.: A22181

Recombinant

1 Publications

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

66kDa

### Category

Primary antibody

### Applications

ELISA,IF/ICC

### Cross-Reactivity

Mouse, Rat

### CloneNo number

ARC55745

## 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

IF/ICC 1:50 - 1:200

## Immunogen Information

### Gene ID

2099

### Swiss Prot

P03372

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 100-200 of human ESR $\alpha$  (NP\_000116.2).

### Synonyms

ER; ESR $\alpha$ 

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

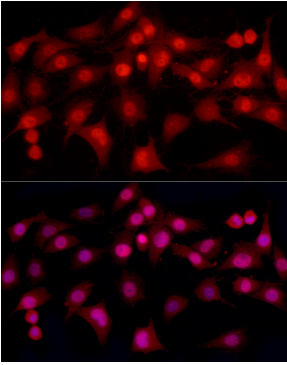
### Storage

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

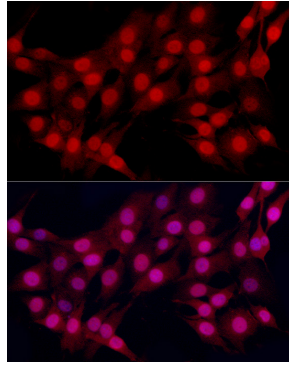
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## Validation Data

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Immunofluorescence analysis of C6 cells using ESRα Rabbit mAb (A22181) at dilution of 1:100(40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using ESRα Rabbit mAb (A22181) at dilution of 1:100(40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.