# ESRα Rabbit mAb

Catalog No.: A22181 Recombinant 1 Publications



## **Basic Information**

### **Observed MW**

Refer to figures

### **Calculated MW**

66kDa

### Category

Primary antibody

## **Applications**

IF/ICC,ELISA

## **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

**ELISA** 

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**2099

Swiss Prot
P03372

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

ER; ESRα

## **Contact**

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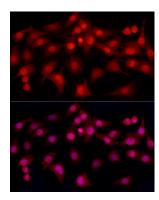
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

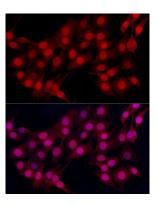
#### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Immunofluorescence analysis of C6 cells using ESR $\alpha$  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 ESR $\alpha$  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.