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ESRα 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 ESRα (NP_000116.2).

Synonyms
ER; ESRα

Contact

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Product Information

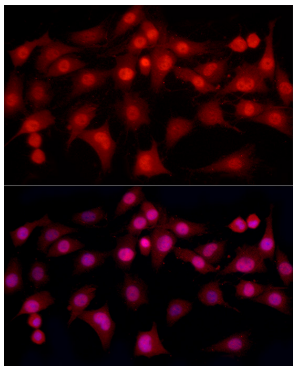
Source
Rabbit

Isotype
IgG

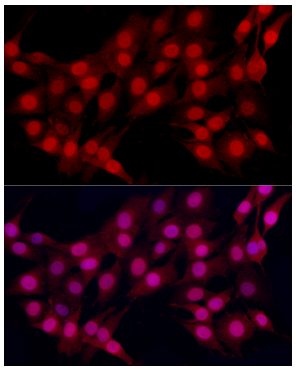
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Immunofluorescence analysis of C6 using ESRα Rabbit mAb (A22181) at dilution of 1:100(40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 using ESRα Rabbit mAb (A22181) at dilution of 1:100(40x lens). Blue: DAPI for nuclear staining.