AP0347

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Phospho-ESRα-S106 Rabbit pAb

Catalog No.: AP0347

Basic Information

Observed MW
66kDa

Calculated MW
66kDa

Category
Polyclonal Antibody

Applications
WB,IF/ICC

Cross-Reactivity
Human,Mouse

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	1:500 - 1:2000
IF/ICC	1:100 - 1:200

Immunogen Information

Gene ID
2099

Swiss Prot
P03372

Immunogen
A phospho specific peptide corresponding to residues surrounding S106 of human Estrogen Receptor alpha (ESR1)

Synonyms
ER; ESR; Era; ESRA; ESTRR; NR3A1; Phospho-ESRα-S106

Contact

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Product Information

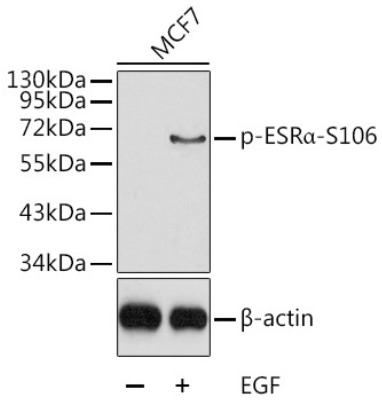
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from MCF7 cells, using Phospho-ESRα-S106 Rabbit pAb (AP0347).
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.