

# Estrogen Receptor-a(Phospho-Ser106) Antibody

Catalog No: #11071

Package Size: #11071-1 50ul #11071-2 100ul

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## Description

Product Name	Estrogen Receptor-a(Phospho-Ser106) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Estrogen Receptor-a only when phosphorylated at serine 106.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine106 (S-P- S(p)-P-L) derived from Human Estrogen Receptor-a.
Target Name	Estrogen Receptor-a
Modification	Phospho
Other Names	ER; ESR; ESR1; ESTR; ESTRA
Accession No.	Swiss-Prot: P03372NCBI Protein: NP_000116.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

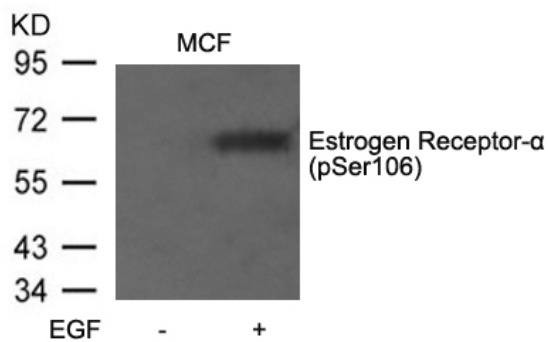
Predicted MW: 66kd

Western blotting: 1:500~1:1000

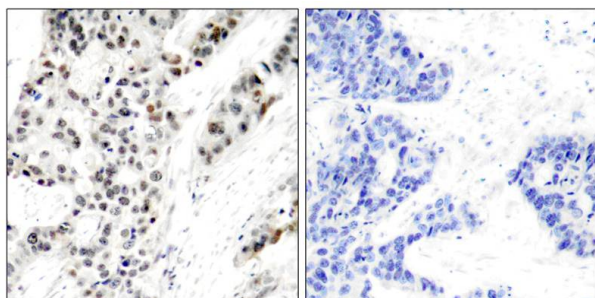
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

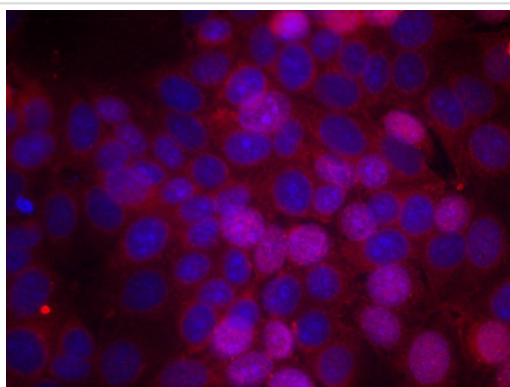
## Images



Western blot analysis of extracts from MCF7 cells untreated or treated with EGF using Estrogen Receptor-α(Phospho-Ser106) Antibody #11071.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Estrogen Receptor-α(Phospho-Ser106) Antibody #11071(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF7 cells using Estrogen Receptor-α(Phospho-Ser106) Antibody #11071.

## Background

Nuclear hormone receptor. The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues.

Marone R, et al. (2004) Nat Cell Biol; 6(6): 515-22.

Ren Z, et al. (2002) J Biol Chem; 277(41): 38486-93.

Ouyang X, et al. (1998) Carcinogenesis; 19(11): 2013-9.

Ouyang X, et al. (1998) Exp Cell Res; 241(2): 467-75.

Klapper, L. N. et al. (2000) Cancer Res. 60, 3384-3388.

## Published Papers

el et., Astragalus root induces ovarian  $\beta$ -oxidation and suppresses estrogen-dependent uterine proliferation. In Mol Med Rep. On 2018 Dec Orkhon B1, Kobayashi K et al.. PMID: 30272268, (2018)

PMID:  
30272268

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.