



Estrogen Receptor- α (Phospho-Ser118) Antibody

#11072

Catalog Number: 11072-1, 11072-2

Amount: 50 μ g/50 μ l, 100 μ g/100 μ l

Swiss-Prot No. : P03372

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human Estrogen Receptor- α around the phosphorylation site of serine 118 (Q-L-S_P-P-F).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site

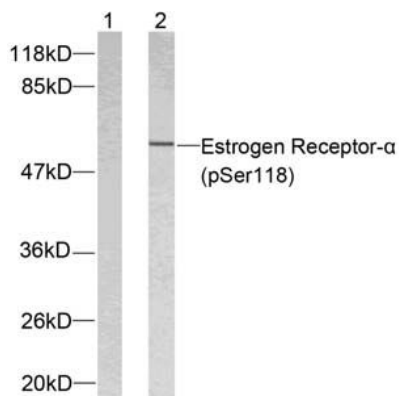
Specificity/Sensitivity: Estrogen Receptor- α (phospho-Ser118) antibody detects endogenous levels of Estrogen Receptor- α only when phosphorylated at serine 118.

Reactivity: Human, Mouse

Applications:

Predicted MW: 66 kd

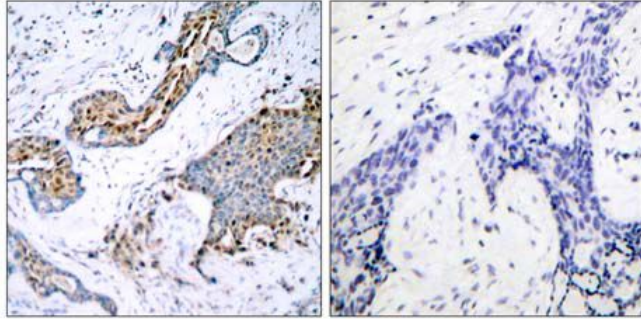
WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:50~1:100



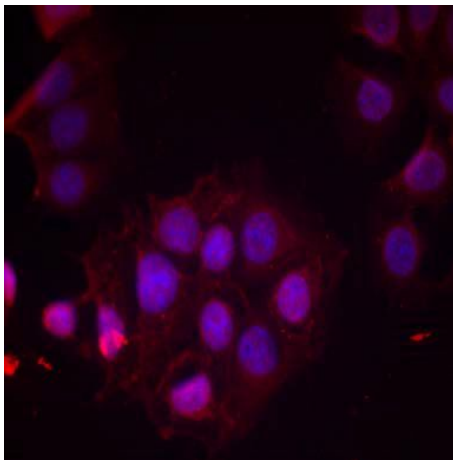
Estradiol + +

Peptide + -

Western blot analysis of extracts from MCF7 using Estrogen Receptor- α (phospho-Ser118) antibody(#11072).



Immunohistochemical analysis of paraffin- embedded human breast carcinoma tissue using Estrogen Receptor- α (phospho-Ser118) antibody (#11072).



Immunofluorescence staining of methanol-fixed MCF7 cells using Estrogen Receptor- α (phospho-Ser118) antibody (#11072, Red).

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.

References:

- Medunjanin S, et al. (2005). J Biol Chem.80 (38):33006-33014.
- Masuhiro Y, et al. (2005). Proc Natl Acad Sci U S A.102 (23): 8126-8131.
- Pentecost BT, et al. (2005). Mol Cell Endocrinol.238 (1-2): 9-25.
- Park KJ, et al. (2005). Mol Cell.18 (1): 71-82.