



Estrogen Receptor- α (Phospho-Ser106) Antibody

#11071

Catalog Number: 11071-1, 11071-2

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 106 (S-P- Sp-P-L).

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

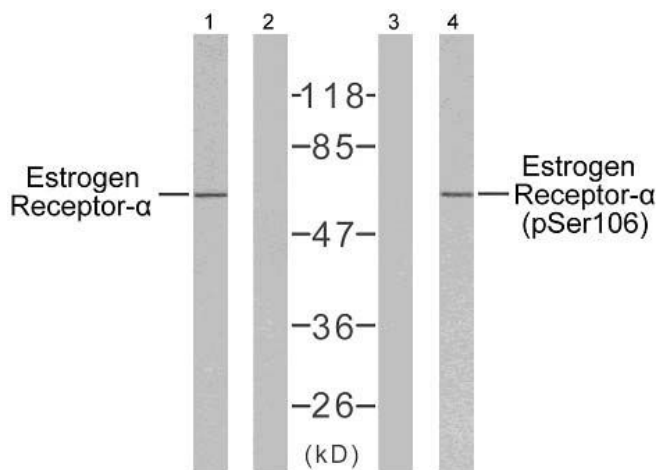
Specificity/Sensitivity: Estrogen Receptor- α (phospho-Ser106) antibody detects endogenous levels of Estrogen Receptor- α only when phosphorylated at serine 106.

Reactivity: Human, Mouse

Applications:

Predicted MW: 66 kd

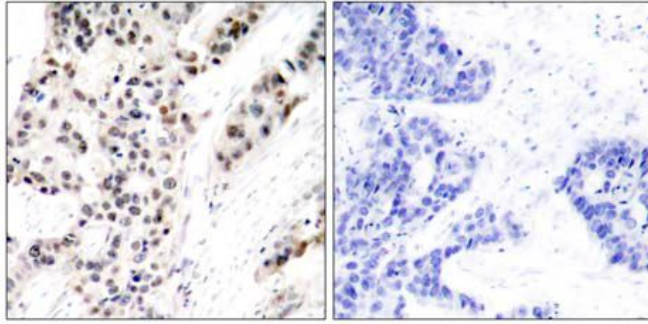
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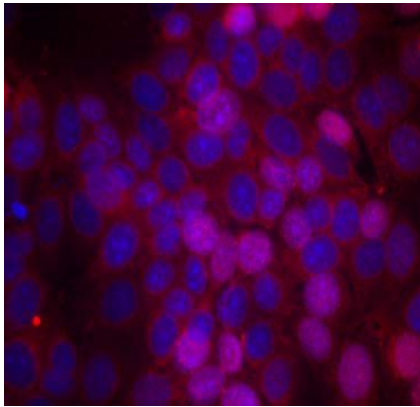
Estradiol - - - +

Peptide - + - -

Western blot analysis of extracts from MCF7 cells using Estrogen Receptor- α (Ab-106) antibody (#21066) and Estrogen Receptor- α (phospho-Ser106) antibody (#11071).



Immunohistochemical analysis of paraffin- embedded human breast carcinoma tissue using Estrogen Receptor- α (phospho-Ser106) antibody (#11071).



Immunofluorescence staining of methanol-fixed MCF7 cells using Estrogen Receptor- α (phospho-Ser106) antibody (#11071, 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.
- Dutertre M, et al. (2003). Mol Endocrinol.17 (7): 1296-1314.
- Chen D, et al. (2000). Mol Cell.6 (1): 127-137.