



Estrogen Receptor- α (Ab-118) Antibody

#21067

Catalog Number: 21067-1, 21067-2

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 non-phosphopeptide derived from Human Estrogen Receptor- α around the phosphorylation site of serine118 (Q-L-S_P-P-F).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

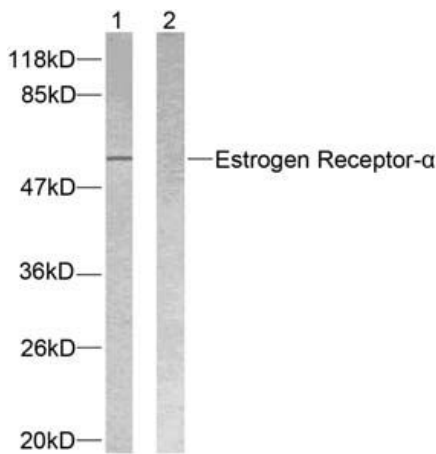
Specificity/Sensitivity: Estrogen Receptor- α (Ab-118) antibody detects endogenous levels of total Estrogen Receptor- α protein.

Reactivity: Human, Mouse

Applications:

Predicted MW: 66 kd

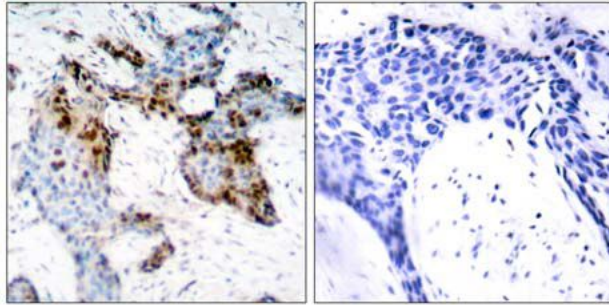
WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:200



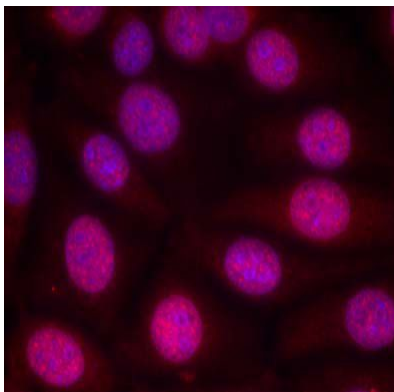
Estradiol - +

Peptide + +

Western blot analysis of extracts from MCF7 cells using Estrogen Receptor- α (Ab-118) antibody(#21067).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Estrogen Receptor- α (Ab-118) antibody (#21067).



Immunofluorescence staining of methanol-fixed MCF7 cells using Estrogen Receptor- α (Ab-118) antibody (#21067, 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:

H Yamaguchi, J Zhu, T Yu, et al. (2007) Serum-free mouse embryo cells generate a self-sustaining feedback loop for an astrocyte marker protein and respond to cytokines and bisphenol A in accordance with the subtle difference in their differentiation state. Cell Biology International, 31(6):638-644.