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Product datasheet for AP02606PU-N

Estrogen Receptor 1 (ESR1) Rabbit Polyclonal Antibody

Product data:

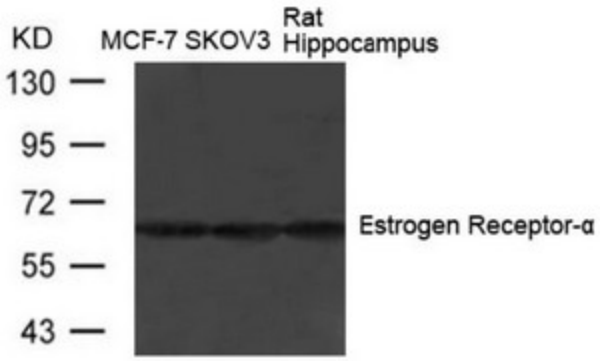
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**Western Blot:** 1/500 - 1/1000. **Immunohistochemistry on Paraffin Sections**: 1/50 - 1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthesized non-phosphopeptide derived from human Estrogen Receptor-alpha around the phosphorylation site of Serine 104 (S-V-S*P*-P-S)
Specificity:	This antibody detects endogenous levels of total Estrogen Receptor-alpha protein.
Formulation:	PBS (without Mg2+ and Ca2+), pH 7.4 containing 150 mM NaCl State: Aff - Purified State: Liquid purified IgG fraction. Stabilizer: 50% Glycerol Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	estrogen receptor 1
Database Link:	Entrez Gene 2099 Human P03372

View online »

Background: Estrogen Receptor alpha is a 65 kDa protein and a member of the steroid family of nuclear receptors. Estrogen Receptor alpha is a ligand-activated transcription factor that, when bound to estrogen, induces a conformational change that allows dimerization and binding to estrogen response element sequences. When bound to DNA, Estrogen Receptor alpha can positively or negatively regulate gene transcription.
Like other steroid hormone receptors, Estrogen Receptors are intracellular proteins. Estrogen Receptors play an important role in regulating mammary gland growth and differentiation. Breast tumors that are ER positive may also show a more favorable response to anti-estrogen therapies

Synonyms: ER alpha, Estradiol receptor, ESR1, ESR, NR3A1

Product images:



Western blot analysxis of extracts from MCF-7, SK-OV-3 cells and Rat hippocampus tissue using Estrogen Receptor alphy antibody

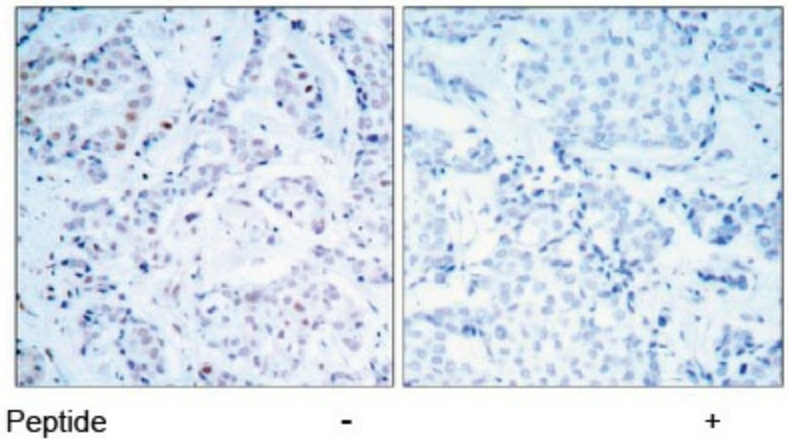


Figure 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Estrogen Receptor-alpha antibody.