

ER α (phospho Ser305) rabbit pAb**Cat#: orb768049 (Manual)**

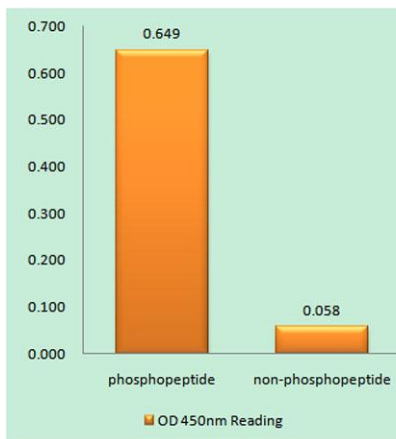
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Product Name	ER α (phospho Ser305) rabbit pAb
Host species	Rabbit
Applications	IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Estrogen Receptor-alpha around the phosphorylation site of Ser305. AA range:276-325
Specificity	Phospho-ER α (S305) Polyclonal Antibody detects endogenous levels of ER α protein only when phosphorylated at S305.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Estrogen receptor
Gene Name	ESR1
Cellular localization	[Isoform 1]: Nucleus . Cytoplasm . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . A minor fraction is associated with the inner membrane.; [Isoform 3]: Nucleus. Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cel
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

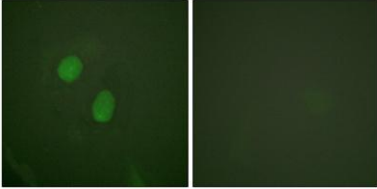
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	2099
Human Swiss-Prot Number	P03372
Alternative Names	ESR1; ESR; NR3A1; Estrogen receptor; ER; ER-alpha; Estradiol receptor; Nuclear receptor subfamily 3 group A member 1

Background

This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, but also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative promoter usage and alternative splicing result in dozens of transcript variants, but the full-length nature of many of these variants has not been determined. [provided by RefSeq, Mar 2014],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Estrogen Receptor-alpha (Phospho-Ser305) Antibody



Immunofluorescence analysis of HeLa cells treated with EGF 200nM 5', using Estrogen Receptor-alpha (Phospho-Ser305) Antibody. The picture on the right is blocked with the phospho peptide.