ERβ (phospho Ser105) rabbit pAb

Cat#: orb768052 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	ERβ (phospho Ser105) rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Estrogen Receptor-beta around the phosphorylation site of Ser105. AA range:71-120
Specificity	Phospho-ERβ (S105) Polyclonal Antibody detects endogenous levels of ERβ protein only when phosphorylated at S105.
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 beta
Gene Name	ESR2
Cellular localization	Nucleus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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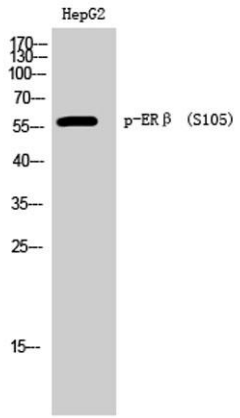
Concentration	1 mg/ml
Observed band	59kD
Human Gene ID	2100
Human Swiss-Prot Number	Q92731
Alternative Names	ESR2; ESTRB; NR3A2; Estrogen receptor beta; ER-beta; Nuclear receptor subfamily 3 group A member 2
Background	This gene encodes a member of the family of estrogen receptors and superfamily of nuclear receptor transcription factors. The gene product contains an N-terminal DNA binding domain and C-terminal ligand binding domain and is localized to the nucleus, cytoplasm, and mitochondria. Upon binding to 17beta-estradiol or related ligands, the encoded protein forms homo- or hetero-dimers that interact with specific DNA sequences to activate transcription. Some isoforms dominantly inhibit the activity of other estrogen receptor family members. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been fully characterized. [provided by RefSeq, Jul 2008],



Western Blot analysis of HepG2 cells using Phospho-ERβ (S105) Polyclonal Antibody

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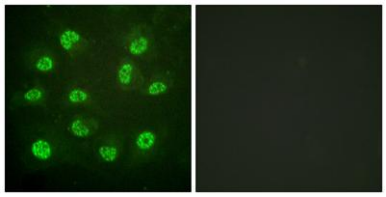
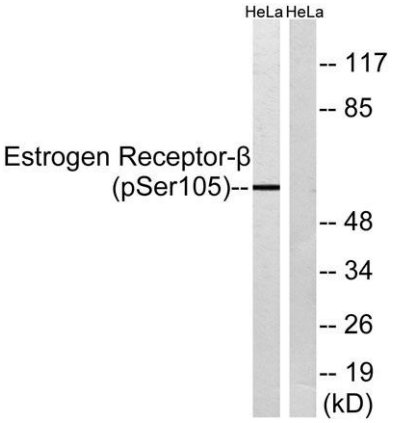


Immunofluorescence analysis of HUVEC cells, using Estrogen Receptor-beta (Phospho-Ser105) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells, using Estrogen Receptor-beta (Phospho-Ser105) Antibody. The lane on the right is blocked with the phospho peptide.

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