ER-alpha (C-term) Antibody

Subcategory: Rabbit Polyclonal Antibody
Cat. No.: 250637
Unit: 0.1 mg

Description:
Estrogen and progesterone receptors are members of a family transcription factors regulated by the binding of their cognate ligands. The interaction of hormone bound estrogen receptors with estrogen responsive elements (EREs) alters transcription of ERE-containing genes. The carboxy terminal region of the estrogen receptor contains the ligand binding domain, the amino terminus serves as the transactivation domain and the DNA binding domain is centrally located. Two forms of estrogen receptor have been identified, ER alpha and ER beta. Both have been shown to be differentially activated by various ligands. The biological response to progesterone is mediated by two distinct forms of the human progesterone receptor (hPR-A and hPR-B) which arise from alternative splicing. In most cells, hPR-B functions as a transcriptional activator of progesterone-responsive gene, whereas hPR-A functions as a transcriptional inhibitor of all steroid hormone receptors.

Isotype: Rabbit Ig
Applications: E, WB, IHC, IP
Species Reactivity: H, M, R
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.
Alternate Names: Estrogen receptor; ER; Estradiol receptor; ER-alpha; Nuclear receptor subfamily 3 group A member 1; ESR1; ESR; NR3A1
Accession No.: P03372

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ER-alpha.
Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.