
Progesterone Receptor (Ser294) Antibody

Subcategory: Mouse Monoclonal Antibody, Phosphospecific Antibody

Cat. No.: 252576

Unit: 0.1 ml

Description:

There is accumulating evidence to suggest that progesterone plays an essential role in the regulation of growth and differentiation of mammary glands and thus may play a key role in breast cancer. The biological response to progesterone is mediated by two distinct forms of the human progesterone receptor (PR-A and PR-B forms). In most cell contexts, the B form functions as a transcriptional activator, whereas the A form functions as a transcriptional inhibitor of steroid hormones. Recently it has been demonstrated that there is differential hormone dependent regulation of the phosphorylation of the A and B forms of the receptor. Treatment of T47D breast cancer cells with progestin agonist increases the phosphorylation of Ser190 and Ser294 with different kinetics. These phosphorylation events may differentially affect the transcriptional activity of the receptor.

Isotype: Mouse IgG

Applications: E, WB, IHC

Species Reactivity: M, R, H, Mk

Format: Each vial contains 0.1 ml IgG in HEPES pH7.5, 150 mM NaCl, 0.01% BSA and 50% glycerol. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Progesterone receptor; PR; Nuclear receptor subfamily 3 group C member 3; PGR; NR3C4

Accession No.: P06401

Antigen: KLH-conjugated synthetic phosphopeptide encompassing a sequence surrounding Ser294 of human progesterone receptor.

Application Notes: E: 1:1,000; IHC: 1:1,000; WB: 1:1,000

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.