PR/PGR (phospho-S294) polyclonal antibody

Catalog: BS4868 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The effects of progesterone are mediated by two functionally different isoforms of the progesterone receptor, PR-A and PR-B, which are transcribed from distinct, estrogen inducible promoters within a single copy of the PR gene. The PR-A and PR-B proteins are 90 kDa and 118 kDa respectively; the first 164 amino acids of PR-B are absent in PR-A. Progesterone bound PR-A and PR-B have different transcription activation properties. Specifically, PR-B functions as a transcriptional activator in most cell and promoter contexts, while PR-A is transcriptionally inactive and functions as a strong ligand dependent transdominant repressor of steroid hormone receptor transcriptiona activity. An inhibitory domain (ID), which maps to the amino terminus of the receptor, exists within both PR isoforms.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 90 kDa (PR-A)

~ 118 kDa (PR-B)

Swiss-Prot:

P06401

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

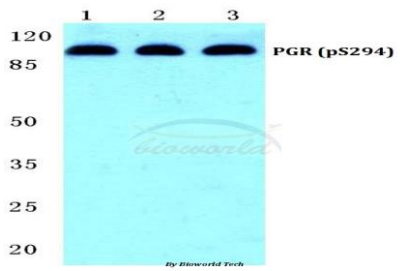
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

p-PR/PGR (S190) polyclonal antibody detects endogenous levels of Progesterone Receptor protein only when phosphorylated at Ser190.

DATA:



Western blot (WB) analysis of p-PGR (S294) polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate treated with EGF(0.1ng/ML,30mins)

Lane2:sp2/0 cell lysate treated with EGF(0.1ng/ML,15mins)

Lane3:PC12 cell lysate treated with PMA(100nM,15mins)

Note:

For research use only, not for use in diagnostic procedure.

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