

CYP11A1 polyclonal antibody

Catalog: BS5680

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

CYP11A1, also known as cytochrome P450C11A1, cytochrome P450scc and cytochrome P450, subfamily XIA, is an enzyme that catalyzes the first step of steroid biosynthesis under the modulation of cAMP signal. CYP11A1 in steroidogenic cells converts cholesterol to pregnenolone, which is determined by hormonal control of cholesterol availability. Expression of the CYP11A1 gene is controlled by the transcription factor SF-1, and the upstream SF-1 binding site in the CYP11A1 gene is required for hormonal stimulation. c-Jun and SF-1 may act synergistically to activate CYP11A1 gene expression. Both Forskolin and 8-Br-cAMPS elevate CYP11A1 mRNA levels in the interstitial cell monolayer, which has a fully functional adenylate cyclase.

Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

Molecular Weight:

~ 60 kDa

Swiss-Prot:

P05108

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

ICC: 1:50~1:200

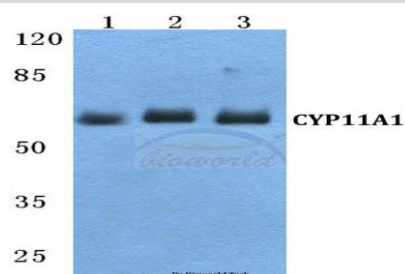
Storage&Stability:

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

Specificity:

CYP11A1 polyclonal antibody detects endogenous levels of CYP11A1 protein.

DATA:



Western blot (WB) analysis of CYP11A1 polyclonal antibody at 1:500 dilution

Lane1: Jurkat cell lysate

Lane2: Mouse liver tissue lysate

Lane3: Rat liver tissue lysate

Note:

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

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