

CYP11A1 polyclonal antibody

Catalog: BS6578

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the mitochondrial inner membrane and catalyzes the conversion of cholesterol to pregnenolone, the first and rate-limiting step in the synthesis of the steroid hormones. Two transcript variants encoding different isoforms have been found for this gene. The cellular location of the smaller isoform is unclear since it lacks the mitochondrial-targeting transit peptide.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

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 | IHC, 1:50 - 1:100

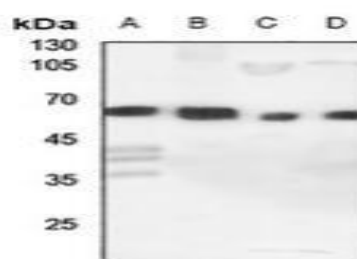
Storage&Stability:

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

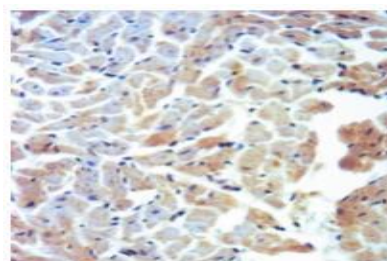
Specificity:

CYP11A1 polyclonal antibody detects endogenous levels of CYP11A1 protein.

DATA:



Western blot analysis of CYP11A1 expression in HEK293T (A), Hela (B), H460 (C), mouse lung (D) whole cell lysates.



Immunohistochemical analysis of CYP11A1 staining in rat heart formalin fixed paraffin embedded tissue section.

Note:

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

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