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CYP11A1 Rabbit mAb

Catalog No.: A23954   `Recombinant`   `5 Publications`

Basic Information

Observed MW
50 kDa

Calculated MW
42kDa/60kDa

Category
Primary antibody

Applications
WB,ELISA

Cross-Reactivity
Human, Mouse

CloneNo number
ARC61692

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.

Recommended Dilutions

WB   1:500 - 1:1000

ELISA   Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID   **Swiss Prot**
1583   P05108

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
CYP11A1; CYP11A; CYPXIA1; P450SCC; cytochrome P450 family 11 subfamily A member 1

Contact

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Product Information

Source   **Isotype**   **Purification**
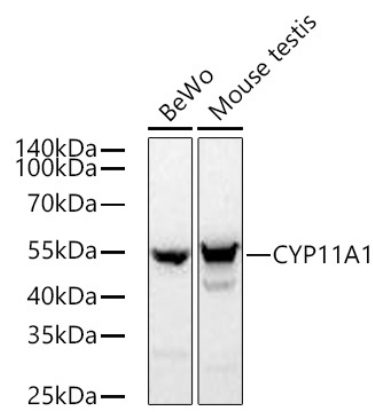Rabbit   IgG   Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data

Western blot analysis of various lysates using CYP11A1 Rabbit mAb (A23954) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.