CYP11B2 Rabbit pAb

Catalog NO.: A24763

Basic Information

Observed MW
50kDa

Calculated MW
57kDa

Category
Polyclonal Antibodies

Applications
WB, IF-P, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

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. The enzyme has steroid 18-hydroxylase activity to synthesize aldosterone and 18-oxocortisol as well as steroid 11 beta-hydroxylase activity. Mutations in this gene cause corticosterone methyl oxidase deficiency.

Recommended Dilutions

WB	1:1000 - 1:5000
IF-P	1:100 - 1:500

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

Immunogen Information

Gene ID
1585

Swiss Prot
P19099

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
CYP11B2; ALDOS; CPN2; CYP11B; CYP11BL; CYPXIB2; P-450C18; P450C18; P450aldo; cytochrome P450 11B2; mitochondrial

Contact

Product Information

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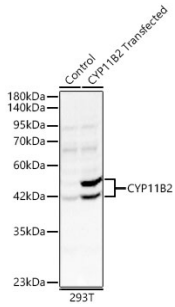
Source
Rabbit

Isotype
IgG

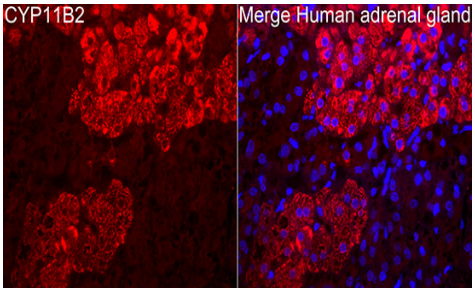
Purification
Affinity purification

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

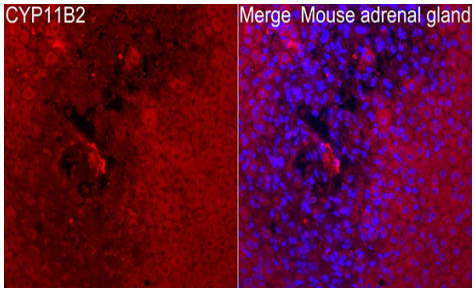
Validation Data



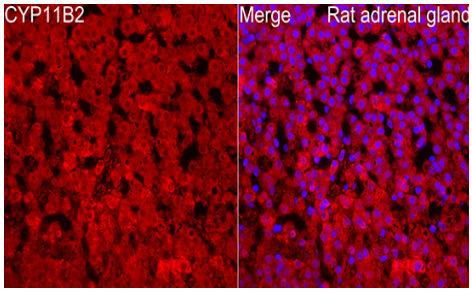
Western blot analysis of lysates from wild type (WT) and 293T cells transfected with CYP11B2 using CYP11B2 Rabbit pAb (A24763) at 1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunofluorescence analysis of paraffin-embedded Human adrenal gland using CYP11B2 Rabbit pAb(A24763) at a dilution of 1:200 (40x lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded Mouse adrenal gland using CYP11B2 Rabbit pAb(A24763) at a dilution of 1:200 (40x lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded Rat adrenal gland using CYP11B2 Rabbit pAb(A24763) at a dilution of 1:200 (40x lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

For research use only. Not for therapeutic or diagnostic purposes

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