

A16363

Leader in Biomolecular Solutions for Life Science



CYP11A1 Rabbit pAb

Catalog No.: A16363

4 Publications

Basic Information

Observed MW

50kDa

Calculated MW

60kDa

Category

Polyclonal Antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-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.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

1583

Swiss Prot

P05108

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 40-320 of human CYP11A1 (NP_000772.2).

Synonyms

CYP11A; CYPXIA1; P450SCC; CYP11A1

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

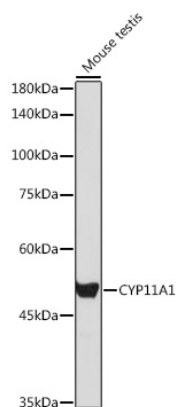
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

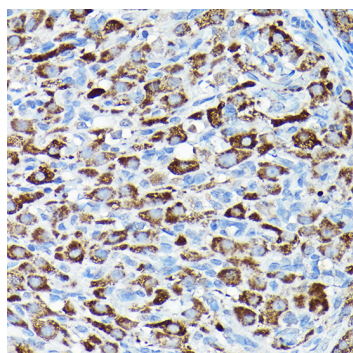
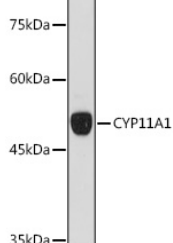
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

Validation Data

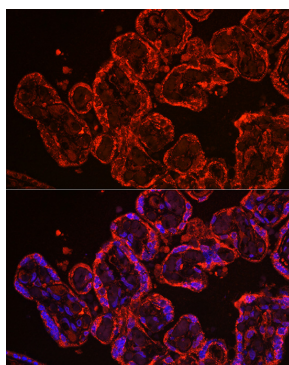


Western blot analysis of extracts of Mouse testis, using CYP11A1 antibody (A16363) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.

Western blot analysis of extracts of Rat testis, using CYP11A1 antibody (A16363) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 18s.



Immunohistochemistry analysis of paraffin-embedded rat ovary using CYP11A1 Rabbit pAb (A16363) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of human placenta using CYP11A1 Rabbit pAb (A16363) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.