

# CYP11A1 Polyclonal Antibody

# Description

Product type Primary Antibody

Code BT-AP02374

Host Rabbit

Isotype IgG

**Size** 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human Cytochrome P450 11A1. AA

range:412-461

1 mg/ml

Mol wt 60102

Species reactivity Human

**Clonality** Polyclonal

Recommended application WB, ELISA

Full name CYP11A1 Antibody

Synonyms CYP11A1; CYP11A; Cholesterol side-chain cleavage enzyme; mitochondrial; CYPXIA1; Cholesterol

desmolase; Cytochrome P450 11A1; Cytochrome P450(scc)

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

## Background

Concentration

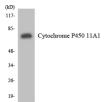
CYP11A1 encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. Cholesterol side-chain cleavage enzyme mitochondrial localizes to 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 Dilution

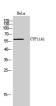
WB: 1: 500 - 1: 2000 ELISA: 1: 5000

Not yet tested in other applications.

## **Images**



Western blot analysis of the lysates from HeLa cells using Cytochrome P450 11A1 antibody.



Western Blot analysis of HeLa cells using CYP11A1 Polyclonal Antibody

# Storage

-20°C for one year

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