

CYP11A1

Reactivity: Human Mouse Rat

Tested applications: WB IF

Recommended Dilution: WB 1:500 - 1:2000 IF 1:20 - 1:50

Calculated MW: 60kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human CYP11A1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

CYP11A; CYPXIA1; P450SCC;

Catalog #: A1713

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 1583

Isotype: IgG

Swiss Prot: P05108

Purity: Affinity purification

For research use only.

Background:

The formation of biologically active steroid hormones is significantly influenced by the mitochondrial cytochrome P450 enzyme, cholesterol side-chain cleavage. CYP11A1 functions in catalyzing the first step of steroid biosynthesis under modulation of cAMP. It is also known as cytochrome P450C11A1, cytochrome P450scc and cytochrome P450, subfamily XIA. Expression of CYP11A1 has been a useful tool for monitoring the differentiation state of cells from various endocrine tissues. Identification of CYP11A1 expression by 13363-1-AP detected a ~45kd band in human placenta, with respect to the reported band at 49-52kd by Roby, et al and Durkee, et al.

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