

Product datasheet for **TA356996**

CYP11A1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of Human CP11A
Specificity:	Expected reactivity: Human, Pig, Rabbit Homology: Human: 100%; Pig: 75%; Rabbit: 83%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	39kDa
Gene Name:	cytochrome P450 family 11 subfamily A member 1
Database Link:	NP_001093243 Entrez Gene 1583 Human P05108-2



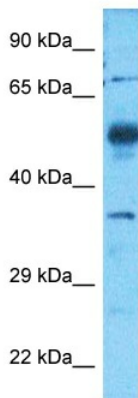
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Background:

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.

Synonyms:

CYP11A; CYPXIA1; P450(scc); P450SCC

Product images:

Host: Rabbit
Target Name: CP11A
Sample Tissue: Ovary Tumor Lysate
Antibody Dilution: 1.0µg/ml

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Target Name: CP11A
Sample Type: Ovary Tumor lysates
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