



CYP11A1 rabbit pAb

Cat No.:ES4947

For research use only

Overview

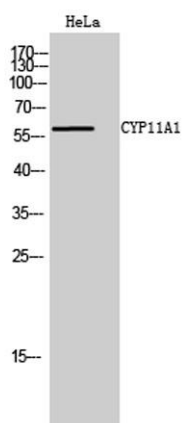
Product Name	CYP11A1 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Cytochrome P450 11A1. AA range:412-461
Specificity	CYP11A1 Polyclonal Antibody detects endogenous levels of CYP11A1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Cholesterol side-chain cleavage enzyme mitochondrial
Gene Name	CYP11A1
Cellular localization	Mitochondrion inner membrane ; Peripheral membrane protein . Localizes to the matrix side of the mitochondrion inner membrane. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	60kD
Human Gene ID	1583
Human Swiss-Prot Number	P05108
Alternative Names	CYP11A1; CYP11A; Cholesterol side-chain cleavage enzyme; mitochondrial; CYPXIA1; Cholesterol desmolase; Cytochrome P450 11A1; Cytochrome P450(scc)
Background	cytochrome P450 family 11 subfamily A member





1(CYP11A1) Homo sapiens 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. [provided by RefSeq, Jul 2008],

Western Blot analysis of HeLa cells using CYP11A1 Polyclonal Antibody



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

