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Product datasheet for TA339994

CYP11A1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CYP11A1 antibody: synthetic peptide directed towards the middle region of human CYP11A1. Synthetic peptide located within the following region: LRQKGSVHHDYRGILYRLLGDSKMSFEDIKANVTEMLAGGVDTTSMTLQW
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	57 kDa
Gene Name:	cytochrome P450 family 11 subfamily A member 1
Database Link:	NP_000772 Entrez Gene 1583 Human P05108

View online »

Background: CYP11A1 is 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. CYP11A1 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. 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.

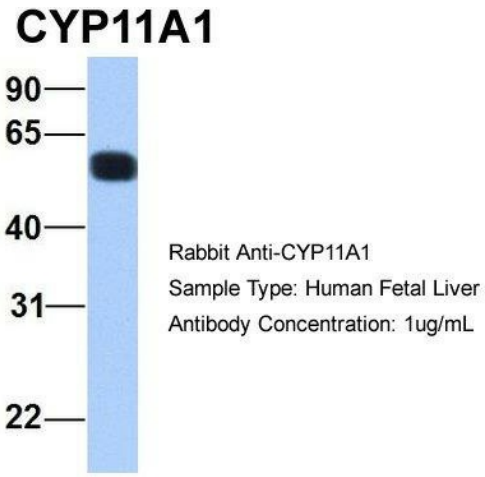
Synonyms: CYP11A; CYPXIA1; P450SCC

Note: Immunogen Sequence Homology: Human: 100%

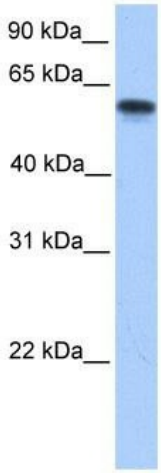
Protein Families: Druggable Genome, P450

Protein Pathways: C21-Steroid hormone metabolism, Metabolic pathways

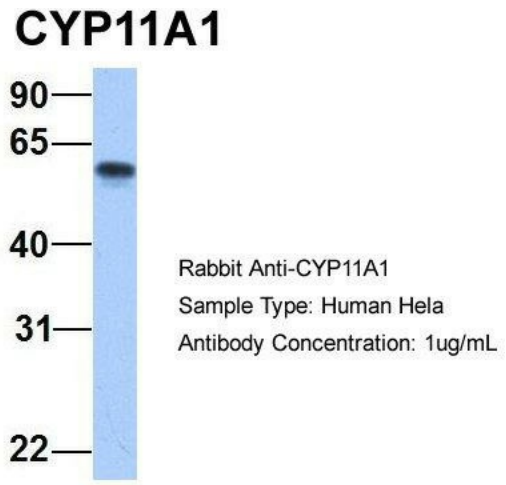
Product images:



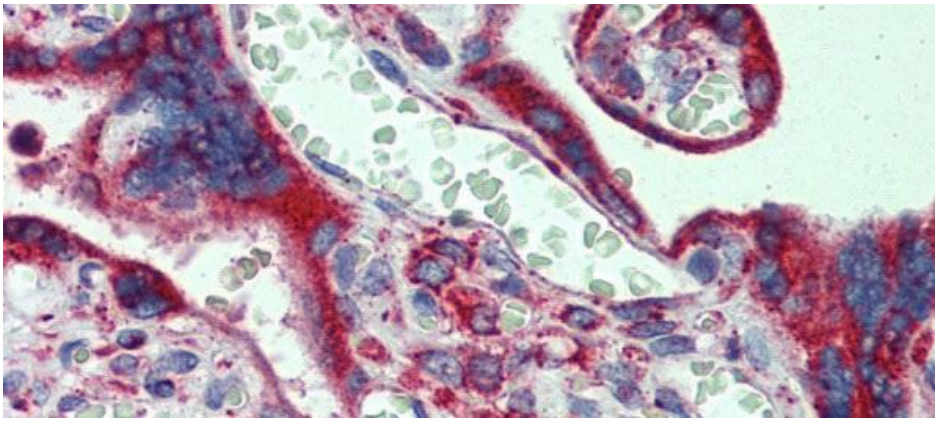
5Hum. Fetal Liver; Host: Rabbit; Target Name: FAM46C; Sample Tissue: Human Fetal Liver; Antibody Dilution: 1.0 ug/ml



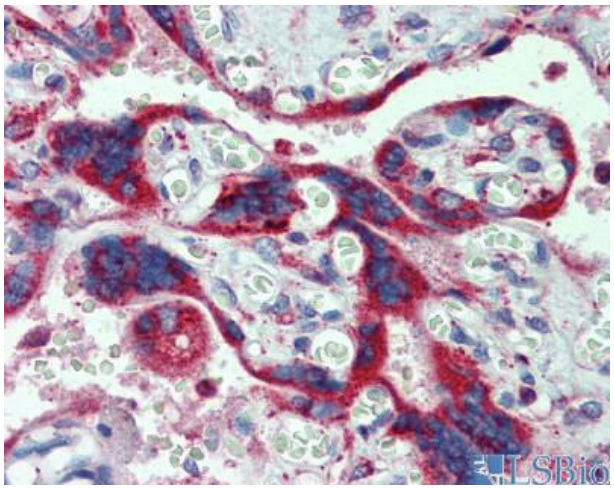
CYP11A1 antibody - middle region validated by WB using Hela cell lysate at 1 ug/ml.CYP11A1 is supported by BioGPS gene expression data to be expressed in HeLa



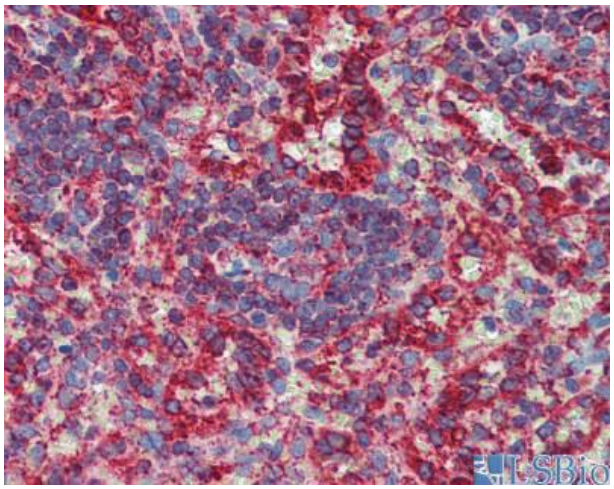
7Human Hela; Host: Rabbit; Target Name: EGFL8; Sample Tissue: Hela; Antibody Dilution: 1.0 ug/ml CYP11A1 is supported by BioGPS gene expression data to be expressed in HeLa



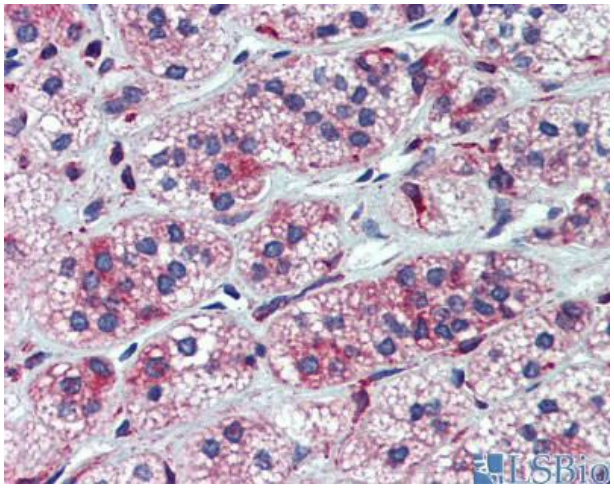
Immunohistochemistry with Human Placenta lysate tissue at an antibody concentration of 5.0 ug/ml using anti-CYP11A1 antibody



Immunohistochemistry with HK2 cell lysate tissue



Immunohistochemistry with HK2 cell lysate tissue



Immunohistochemistry with HK2 cell lysate tissue