

Product Name: CYP3A7 Rabbit Polyclonal Antibody**Catalog #: APRab09668**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight	50kDa

Antigen Information

Gene Name	CYP3A7
Alternative Names	CYP3A7; Cytochrome P450 3A7; CYP11A7; Cytochrome P450-HFLA
Gene ID	1551.0
SwissProt ID	P24462
Immunogen	The antiserum was produced against synthesized peptide derived from human Cytochrome P450 3A7. AA range:231-280

Background

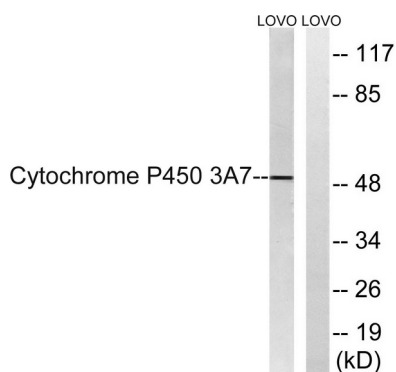
This gene encodes a member of the cytochrome P450 superfamily of enzymes, which participate in drug metabolism and the

synthesis of cholesterol, steroids and other lipids. This enzyme hydroxylates testosterone and dehydroepiandrosterone 3-sulphate, which is involved in the formation of estriol during pregnancy. This gene is part of a cluster of related genes on chromosome 7q21.1. Naturally-occurring readthrough transcription occurs between this gene and the downstream CYP3A51P pseudogene and is represented by GenelD:100861540. [provided by RefSeq, Jan 2015],catalytic activity:RH + reduced flavoprotein + O(2) = ROH + oxidized flavoprotein + H(2)O.,cofactor:Heme group.,function:Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics.,induction:P450 can be induced to high levels in liver and other tissues by various foreign compounds, including drugs, pesticides, and carcinogens.,online information:CYP3A7 alleles,similarity:Belongs to the cytochrome P450 family.,

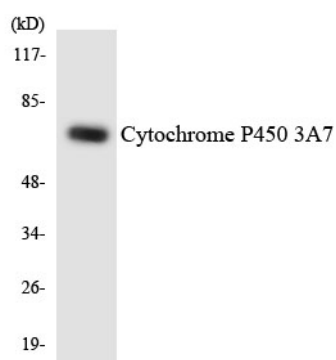
Research Area

Steroid hormone biosynthesis;Linoleic acid metabolism;Retinol metabolism;Metabolism of xenobiotics by cytochrome P450;Drug metabolism;Drug metabolism;

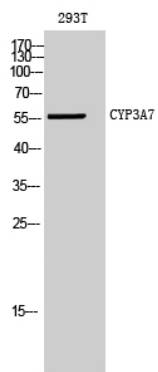
Image Data



Western blot analysis of lysates from LOVO cells, using Cytochrome P450 3A7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using Cytochrome P450 3A7 antibody.



Western Blot analysis of 293T cells using CYP3A7 Polyclonal Antibody diluted at 1: 500