



CYP3A7 Polyclonal Antibody

Catalog No	BYab-02598
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	CYP3A7
Protein Name	Cytochrome P450 3A7
Immunogen	The antiserum was produced against synthesized peptide derived from human Cytochrome P450 3A7. AA range:231-280
Specificity	CYP3A7 Polyclonal Antibody detects endogenous levels of CYP3A7 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CYP3A7; Cytochrome P450 3A7; CYP11A7; Cytochrome P450-HFLA
Observed Band	50kD
Cell Pathway	Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane ; Peripheral membrane protein.
Tissue Specificity	Expressed in fetal liver (at protein level).
Function	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.,

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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 GeneID:100861540. [provided by RefSeq, Jan 2015],

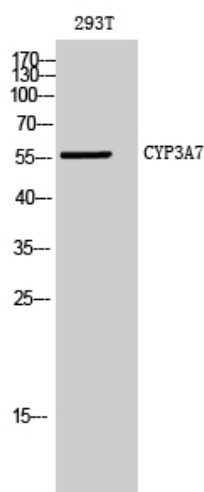
matters needing attention

Avoid repeated freezing and thawing!

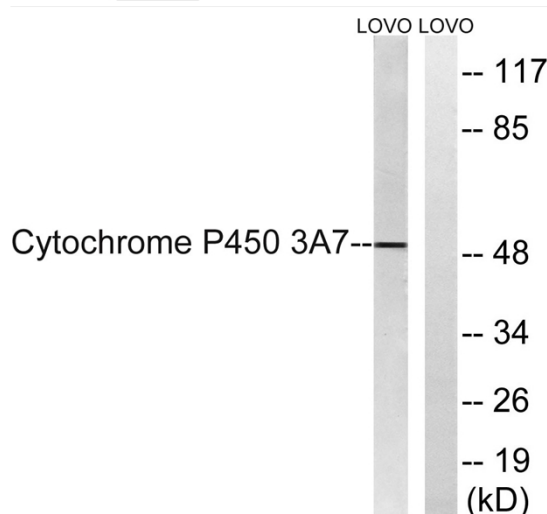
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

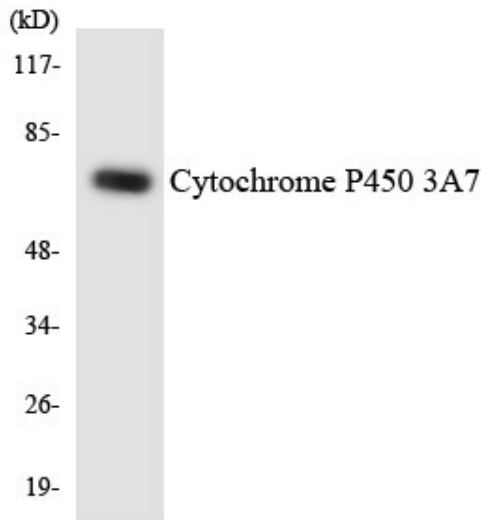


Western Blot analysis of 293T cells using CYP3A7 Polyclonal Antibody diluted at 1:500



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

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