

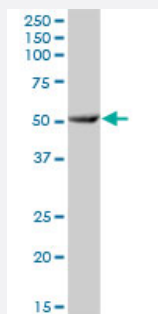
MaxPab®

CYP3A7 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001551-B01P

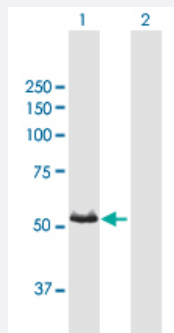
Size 50 ug

Applications



Western Blot (Tissue lysate)

CYP3A7 MaxPab polyclonal antibody. Western Blot analysis of CYP3A7 expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of CYP3A7 expression in transfected 293T cell line ([H00001551-T01](#)) by CYP3A7 MaxPab polyclonal antibody.

Lane 1: CYP3A7 transfected lysate(55.33 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human CYP3A7 protein.

Immunogen

CYP3A7 (NP_000756.1, 1 a.a. ~ 503 a.a) full-length human protein.

Sequence

MDLIPNLAVETWLLLA VSLILLYLGTRTHGLFKKLGIPGPTPLPFLGNALSFRKGYWTFDMECYKK
YRKVWGIYDCQQPMLAITDPDMIKTVLVKECYSVFTNRRPFGPVGFMKNAISIAEDEEWKRIRLLS
PTFTSGKLKEMVPIIAQYGDVLVRNLRREAETGKPVTLKHVFGAYSMDVITSTSFVGSIDSLNNPQD
PFVENTKKLLRFNPLDPFVLSIKVFPFLTPILEALNITVFPRKVISFLTKSVKQIKEGRLKETQKHRVD
FLQLMIDSQNSKDSETHKALSDLELMAQSIIFIFAGYETTSSVLSFIYELATHPDVQQKVQKEIDTVL
PNKAPPTYDTVLQLEYLDMVVNETLRLFPVAMRLERVCKKDVEINGMFIPKGVVVMIPSYVLHHD
KYWTEPEKFLPERFSKKNKDNDIPYITPFGSGPRNCIGMRFALVNMKLALVRVLQNF SFKPCKET
QIPLKLRFGLLLTEKPM LKAESRDET VSGA

Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — CYP3A7

Entrez GeneID	1551
GeneBank Accession#	NM_000765.2
Protein Accession#	NP_000756.1
Gene Name	CYP3A7
Gene Alias	CP37, P450-HFLA
Gene Description	cytochrome P450, family 3, subfamily A, polypeptide 7
Omim ID	605340
Gene Ontology	Hyperlink

Gene Summary

This gene, CYP3A7, 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 enzyme hydroxylates testosterone and dehydroepiandrosterone 3-sulphate, which is involved in the formation of estriol during pregnancy. The enzyme also metabolizes some drugs such as aflatoxin B1. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Transcript variants have been described, but it is not known whether these transcripts are normally produced. [provided by RefSeq]

Other Designations

aryl hydrocarbon hydroxylase|cytochrome P450, subfamily IIIA, polypeptide 7|flavoprotein-linked monooxygenase|microsomal monooxygenase|xenobiotic monooxygenase

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Drug metabolism - other enzymes](#)
- [gamma-Hexachlorocyclohexane degradation](#)
- [Linoleic acid metabolism](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Retinol metabolism](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Neoplasms](#)

- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)