

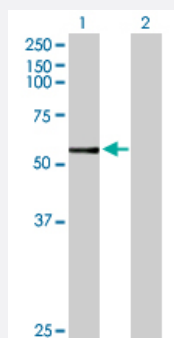
MaxPab®

CYP3A7 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001551-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CYP3A7 expression in transfected 293T cell line ([H00001551-T02](#)) by CYP3A7 MaxPab polyclonal antibody.

Lane 1: CYP3A7 transfected lysate(57.50 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit 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

MDLIPNLAVETWLLAVSLILLYLGTRTHGLFKKLGIPTPLPFLGNALSFRKGYWTFDMECYKK
YRKVWGIYDCQQPMLAITDPDPMIKTVLVKECYSVFTNRRPFGPVGFMKNAISIAEDEEWKRIRSLLS
PTFTSGKLKEMVPIAQYGDVLVRNLRREAETGKPVTLKHVFGAYSMDVITSTSFGVSIDSLNNPQD
PFVENTKKLLRFNPLDPFVLSIKVFPFLTPILEALNITVFPRKVISFLTKSVKQIKEGRLKETQKHRVD
FLQLMDSQNSKDSETHKALSDLELMAQSIIFIFAGYETTSSVLSFIYELATHPDVQQKVQKEIDTVL
PNKAPPTYDITVLQLEYLDMVVNETLRLFPVAMRLERVCKKDVEINGMFIPKGVVVMIPSYVLHHD
KYWTEPEKFLPERFSKKNKDNIDPYITPFGSGPRNCIGMRFALVNMKLALVRVLQNFSEFKPKET
QIPLKLRFGGLLLEKPVMLKAESRDET VSGA

Host

Rabbit

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.

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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](#)