

DNAxPAb

Hard-to-Find
Antibody

CYP7B1 DNAxPab

Catalog # H00009420-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CYP7B1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAGEVSAATGRFSLERLGLPGLALAAALLLLALCLLVRRTRRPGEPLIKGWLPYLGVVNLNRKDP LRFMKTLLQKQHGDFTTVLLGGKYITFILDPFQYQLVIKNHKQLSFRVFSNKLLEKAFFSISQLQKNHD MNDELHLCYQFLQGKSLDILLESMMQNLKQVFEPQLLKTTSWDTAELYPCSSIIFFITFTTYGKVIV CDNNKFISELRDDFLKFDDKFAYLVSNPIELLGNVKSIREKIIKCFSSSEKLAKMQGWSEVFQSRQD VLEKYYVHEDLEIGAHHLGFLWASVANTIPTMFWAMYLLRHPEAMAAVRDEIDRLLQSTGQKKG SGFPIHLTREQLDSLICLESSIFEALRLSSYSTTIRFVEEDLTLSSETGDYCVRKGDVLAIFPPVLHG DPEIFEAPPEEFYDRFIEDGKKKTTFKRGKKLKCYLMPFGTGTSKCPGRFFALMEIKQLLVILLTYF DLEIIDDKPIGLNYSRLLFGIQYPSDVLFRYKVKS
Host	Rabbit
Reactivity	Human
Purification	Protein A
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — CYP7B1

Entrez GeneID [9420](#)

GeneBank Accession# [NM_004820.2](#)

Protein Accession# [NP_004811.1](#)

Gene Name CYP7B1

Gene Alias CBAS3, CP7B, SPG5A

Gene Description cytochrome P450, family 7, subfamily B, polypeptide 1

Omim ID [603711](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway of extrahepatic tissues, which converts cholesterol to bile acids. This enzyme likely plays a minor role in total bile acid synthesis, but may also be involved in the development of atherosclerosis, neurosteroid metabolism and sex hormone synthesis. [provided by RefSeq]

Other Designations cytochrome P450, subfamily VIIIB (oxysterol 7 alpha-hydroxylase), polypeptide 1|oxysterol 7alpha-hydroxylase

Pathway

- [Primary bile acid biosynthesis](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)