

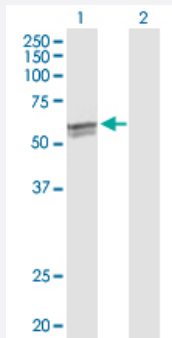
MaxPab®

CYP27A1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001593-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CYP27A1 expression in transfected 293T cell line ([H00001593-T02](#)) by CYP27A1 MaxPab polyclonal antibody.

Lane 1: CYP27A1 transfected lysate(60.20 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CYP27A1 protein.
Immunogen	CYP27A1 (NP_000775.1, 1 a.a. ~ 531 a.a) full-length human protein.
Sequence	MAALGCARLRWALRGAGRGLCPHGARA KAAIPAALPSDKATGAPGAGPGVRRRQRSLEEIPRLG QLRFFFQLFVQGYALQLHQLQVLYKAKYGPMWMSYLGPMHVNLASAPLLEQVMRQEGKYPVR NDMELWKEHRDQHDLTYGPFTEGHHWYQLRQALNQRLKPAEAAALYDAFNEIDDFMTRLDDQ LRAESASGNQVSDMAQLFYFALEAICYLF EKRIQCLQRSIPEDTVTFVRSIGLMFQNSLYATFLPK WTRPVLFPWKRYLDGWNALFSGKKLIDEKLEDMEAQLQAAGPDGIQVSGYLHFLASGQLSPRE AMGSLPELLMAGVDTTSNLTWALYHLSKDPEIQEALHEEVGVVPAGQVPQHKDFAHMPLLKA VLKETLRLYPVPTNSRIEKEIEVDGFLFPKNTQFVFCHYVVS RDPTAFSEPE SFQPHRWLRNSQ PATPRIQHPPFGSV PFGYGVRA CLGRRIAELEMQLLLARLIQKYKVV LAPETGELKSVARIVLPNKK VGLQFLQRQC
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (72); Rat (73)
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)

Western Blot analysis of CYP27A1 expression in transfected 293T cell line ([H00001593-T02](#)) by CYP27A1 MaxPab polyclonal antibody.

Lane 1: CYP27A1 transfected lysate(60.20 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — CYP27A1

Entrez GeneID
[1593](#)
GeneBank Accession#
[NM_000784.2](#)
Protein Accession#
[NP_000775.1](#)
Gene Name

CYP27A1

Gene Alias

CP27, CTX, CYP27

Gene Description

cytochrome P450, family 27, subfamily A, polypeptide 1

Omim ID
[213700 606530](#)
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 mitochondrial protein oxidizes cholesterol intermediates as part of the bile synthesis pathway. Since the conversion of cholesterol to bile acids is the major route for removing cholesterol from the body, this protein is important for overall cholesterol homeostasis. Mutations in this gene cause cerebrotendinous xanthomatosis, a rare autosomal recessive lipid storage disease. [provided by RefSeq]

Other Designations

5-beta-cholestane-3-alpha, 7-alpha, 12-alpha-triol 26-hydroxylase|5-beta-cholestane-3-alpha, 7-alpha, 12-alpha-triol 27-hydroxylase|cholestanetriol 26-monooxygenase|cytochrome P-450C27/25|cytochrome P450, subfamily XXVIIA (steroid 27-hydroxylase, cerebrot

Pathway

- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Primary bile acid biosynthesis](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)