

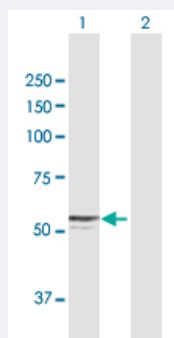
MaxPab®

CYP27A1 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00001593-D01

Size 100 uL

Applications

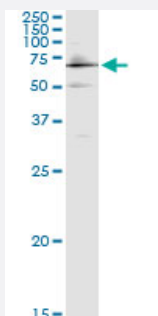


Western Blot (Transfected lysate)

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.



Immunoprecipitation

Immunoprecipitation of CYP27A1 transfected lysate using anti-CYP27A1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CYP27A1 purified MaxPab mouse polyclonal antibody (B01P) ([H00001593-B01P](#)).

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	MAALGCARLRWALRGAGRGLCPHGARAKAAIPAALPSDKATGAPGAGPGVRRRQRSLEEIPRLG QLRFFFQLFVQGYALQLHQLQVLYKAKYGPMWMSYLGPMHVNLASAPLLEQVMRQEGKYPVR NDMELWKEHRDQHDLTYPFTTEGHHWYQLRQALNQRLKPAEAALYDAFNEVIDDFMTRLQDQ LRAESASGNQVSDMAQLFYFALEAICYLFEKRIGCLQRSIPEDTVTFVRSIGLMFQNSLYATFLPK WTRPVLPFWKRYLDGWNALFSFGKKLIDEKLEDEMAQLQAAGPDGIQVSGYLHFLASGQLSPRE AMGSLPELLMAGVDTTSNTLTWALYHLSKDPEIQEALHEEVVGVVPAGQVPQHKDFAHMPLLKA VLKETLRLYPVPTNSRIIEKEIEVDGFLFPKNTQFVFCHYVVS RDPTAFSEPESEFQPHRWLRNSQ PATPRIQHPFGSVFPGYGVRACLGRRIAELEMQLLLARLIQKYKVV LAPETGELKSVARMLVPNKK VGLQFLQRQC
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (72); Rat (73)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- Immunoprecipitation

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[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](#)