

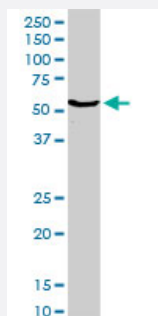
MaxPab®

CYP2E1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001571-D01P

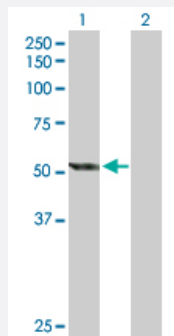
Size 100 ug

Applications



Western Blot (Tissue lysate)

CYP2E1 MaxPab rabbit polyclonal antibody. Western Blot analysis of CYP2E1 expression in human colon.



Western Blot (Transfected lysate)

Western Blot analysis of CYP2E1 expression in transfected 293T cell line ([H00001571-T01](#)) by CYP2E1 MaxPab polyclonal antibody.

Lane 1: CYP2E1 transfected lysate(56.80 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CYP2E1 protein.

Immunogen

CYP2E1 (NP_000764.1, 1 a.a. ~ 493 a.a) full-length human protein.

Sequence

MSALGVTVALLVWAAFLLLVSMWRQVHSSWNLP PGPFPLPIIGNLFQLELKNIPKSFTRLAQRFGP
VFTLYVGSQRMVVMHGYKAVKEALLDYKDEFSGRGDLPAFHAHRDRGIIFNNGPTWKDIRRFSLT
TLRNYGMGKQGNE SRIQREAHFLLEALRKTQGQPFDPFTFLIGCAPCNVIADILFRKHFDYNDEKFLR
LMYLFNENFHLLSTPWQLYNNFPSFLHYPGSHRKVIKNVAEVKEYVSEVKEHHQSLDPNCPR
DLTDCLLVEMEKEKHSAERLYTMDGITVTADLFFAGTETTSTTLRYGLLIMKYPEIEEKLHEEIDR
VIGPSRIPAIKDRQEMPYMDAVVHEIQRFITLVPSNLPHEATRDITFRGYLPKGTVVVPTLDSVLYDN
QEFDPDEKFKPEHFLNENGKFKYSDFKPFSTGKRVCAGEGLARMELFLLLCAILQHFNKPLVD
PKDIDLSPHIGFGCIPPRYKLCVIPRS

Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (78)
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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- Western Blot (Tissue lysate)

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — CYP2E1

Entrez GeneID	1571
GeneBank Accession#	NM_000773.3
Protein Accession#	NP_000764.1
Gene Name	CYP2E1
Gene Alias	CPE1, CYP2E, P450-J, P450C2E
Gene Description	cytochrome P450, family 2, subfamily E, polypeptide 1
Omim ID	124040
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 protein localizes to the endoplasmic reticulum and is induced by ethanol, the diabetic state, and starvation. The enzyme metabolizes both endogenous substrates, such as ethanol, acetone, and acetal, as well as exogenous substrates including benzene, carbon tetrachloride, ethylene glycol, and nitrosamines which are premutagens found in cigarette smoke. Due to its many substrates, this enzyme may be involved in such varied processes as gluconeogenesis, hepatic cirrhosis, diabetes, and cancer. [provided by RefSeq]

Other Designations

OTTHUMP00000020813|OTTHUMP00000046571|cytochrome P450 2E1|cytochrome P450, sub family IIE (ethanol-inducible), polypeptide 1|flavoprotein-linked monooxygenase|microsomal monooxygenase|xenobiotic monooxygenase

Publication Reference

- [Resveratrol Ameliorates Experimental Alcoholic Liver Disease by Modulating Oxidative Stress.](#)

Peiyuan H, Zhiping H, Chengjun S, Chunqing W, Bingqing L, Imam MU.

Evidence-Based Complementary and Alternative Medicine : ECAM. 2017 Dec; 2017:4287890.

Application: WB, Human, Liver

- [Quantification of cytochrome 2E1 in human liver microsomes using a validated indirect ELISA.](#)

De Bock L, Colin P, Boussey K, Van Bocxlaer J.

Journal of Pharmaceutical and Biomedical Analysis 2014 Jan; 88:536.

Application: ELISA, Human, human liver

Pathway

- [Arachidonic acid metabolism](#)
- [Drug metabolism - cytochrome P450](#)
- [Linoleic acid metabolism](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Abnormalities](#)

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alcohol-Induced Disorders](#)
- [Alcoholism](#)
- [Alzheimer Disease](#)
- [Anemia](#)
- [Aneuploidy](#)
- [Arteriosclerosis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchitis](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Chromosome Aberrations](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cocarcinogenesis](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)

- [Consciousness](#)
- [Coronary Artery Disease](#)
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- [Drug-Induced Liver Injury](#)
- [Ductus Arteriosus](#)
- [Edema](#)
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- [Genomic Instability](#)
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- [Hepatitis](#)
- [Hepatitis C](#)
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- [Hodgkin Disease](#)

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- [Hypertension](#)
- [Hypopharyngeal Neoplasms](#)
- [Infant](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Leukoplakia](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Liver Neoplasms](#)
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- [Macular Degeneration](#)
- [Malnutrition](#)
- [Meningioma](#)
- [Mesothelioma](#)
- [Metaplasia](#)
- [Micronuclei](#)
- [Motor Neuron Disease](#)
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- [Myelodysplastic Syndromes](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)

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- [Recurrence](#)
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- [Respiratory Tract Neoplasms](#)
- [Scleroderma](#)
- [Stomach Neoplasms](#)
- [Substance-Related Disorders](#)
- [Tobacco Use Disorder](#)
- [Trisomy](#)
- [Tuberculosis](#)
- [Tumor Virus Infections](#)
- [Ureteral Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Warts](#)
- [Werner syndrome](#)