MaxPab®

CYP2C19 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001557-B01P Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human CYP2C19 protein.
Immunogen	CYP2C19 (AAI11847.1, 1 a.a. ~ 490 a.a) full-length human protein.
Sequence	MDPFVVLVLCLSCLLLLSIWRQSSGRGKLPPGPTPLPVIGNILQIDIKDVSKSLTNLSKIYGPVFTLYF GLERMVVLHGYEVVKEALIDLGEEFSGRGHFPLAERANRGFGIVFSNGKRWKEIRRFSLMTLRNF GMGKRSIEDRVQEEARCLVEELRKTKASPCDPTFILGCAPCNVICSIIFQKRFDYKDQQFLNLMEK LNENIRIVSTPWIQICNNFPTIIDYFPGTHNKLLKNLAFMESDILEKVKEHQESMDINNPRDFIDCFLIK MEKEKQNQQSEFTIENLVITAADLLGAGTETTSTTLRYALLLLLKHPEVTAKVQEEIERVVGRNRSP CMQDRGHMPYTDAVVHEVQRYIDLIPTSLPHAVTCDVKFRNYLIPKGTTILTSLTSVLHDNKEFPNP EMFDPRHFLDEGGNFKKSNYFMPFSAGKRICVGEGLARMELFLFLTFILQNFNLKSLIDPKDLDTT PVVNGFASVPPFYQLCFIPV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (74%)
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

Gene Info — CYP2C19

Entrez GeneID	1557
GeneBank Accession#	BC111846.2
Protein Accession#	AAI11847.1
Gene Name	CYP2C19
Gene Alias	CPCJ, CYP2C, P450C2C, P450IIC19
Gene Description	cytochrome P450, family 2, subfamily C, polypeptide 19
Omim ID	124020
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 re ticulum and is known to metabolize many xenobiotics, including the anticonvulsive drug mephenyt oin, omeprazole, diazepam and some barbiturates. Polymorphism within this gene is associated with variable ability to metabolize mephenytoin, known as the poor metabolizer and extensive met abolizer phenotypes. The gene is located within a cluster of cytochrome P450 genes on chromos ome 10q24. [provided by RefSeq
Other Designations	OTTHUMP00000020132|OTTHUMP00000059588|S-mephenytoin 4-hydroxylase|cytochrome P-450 II C|cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 19|flavoprotein -linked monooxygenase|mephenytoin 4'-hydroxylase|microsomal monooxygenase|xenobi

Pathway

- Arachidonic acid metabolism
- Drug metabolism - cytochrome P450
- Limonene and pinene degradation
- Linoleic acid metabolism
- Metabolic pathways
- Metabolism of xenobiotics by cytochrome P450
- Monoterpenoid biosynthesis

- Retinol metabolism

Disease

- Acquired Immunodeficiency Syndrome
- Acute Disease
- Adenocarcinoma
- Anemia
- Arthritis
- Atrial Fibrillation
- Avoidance Learning
- Behcet Syndrome
- Biliary Tract Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cell Transformation
- Child Behavior Disorders
- Chromosome Aberrations
- Colorectal Neoplasms
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Coronary Stenosis
- Coronary Thrombosis

- Depressive Disorder
- Diabetes Complications
- Diabetes Mellitus
- Diarrhea
- Digestive System Neoplasms
- Disease Progression
- Disease Susceptibility
- DNA Damage
- Drug Toxicity
- Drug-Induced Liver Injury
- Ductus Arteriosus
- Duodenal Ulcer
- Dyspepsia
- Edema
- Endometriosis
- Epilepsies
- Epilepsy
- Esophageal Neoplasms
- Esophagitis
- Essential tremor
- Fatty Liver
- Gastritis
- Gastroesophageal Reflux
- Genetic Predisposition to Disease
- Genomic Instability
- Gingival Hyperplasia

- Gingival Hypertrophy
- Graft Occlusion
- Head and Neck Neoplasms
- Heartburn
- Helicobacter Infections
- Hematologic Diseases
- Hematologic Neoplasms
- Hemorrhage
- Hepatitis
- Hepatitis C
- Hernia
- HIV Infections
- Hypercholesterolemia
- Infant
- Inflammation
- Kidney Failure
- Leukemia
- Lichen Planus
- Liver Cirrhosis
- Liver Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Lymphoma
- Mental Disorders
- Mesothelioma

- Micronuclei
- Mood Disorders
- Multiple Chemical Sensitivity
- Multiple Myeloma
- Mycoses
- Myelodysplastic Syndromes
- Myocardial Infarction
- Myocardial Ischemia
- Nausea
- Neoplasms
- Neurotoxicity Syndromes
- Neutropenia
- Obesity
- Opioid-Related Disorders
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Overdose
- Overweight
- Peptic Ulcer
- Personality Inventory
- Pleural Neoplasms
- Prostate cancer
- Prostatic Neoplasms
- Prosthesis Failure
- Pruritus

- Psychiatry
- Psychomotor Performance
- Pulmonary Disease
- Recurrence
- Rhinitis
- Schizophrenia
- Schizophrenic Psychology
- Scleroderma
- Stomach Diseases
- Stomach Neoplasms
- Stomach Ulcer
- Stroke
- Substance-Related Disorders
- Thrombocytopenia
- Thrombosis
- Tuberculosis
- Urinary Bladder Neoplasms
- Vision Disorders
- Vomiting
- Werner syndrome