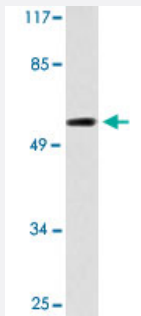


CYP2C19 polyclonal antibody

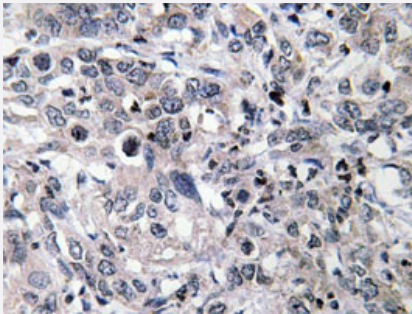
Catalog # PAB24959 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of 293 cell lysate with CYP2C19 polyclonal antibody (Cat # PAB24959).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human liver carcinoma tissue using CYP2C19 polyclonal antibody (Cat # PAB24959).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CYP2C19.
Immunogen	A synthetic peptide corresponding to CYP2C19.
Host	Rabbit
Theoretical MW (kDa)	56
Reactivity	Human
Specificity	CYP2C19 polyclonal antibody detects endogenous levels of CYP2C19 protein.
Form	Liquid

Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of 293 cell lysate with CYP2C19 polyclonal antibody (Cat # PAB24959).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human liver carcinoma tissue using CYP2C19 polyclonal antibody (Cat # PAB24959).

- Immunofluorescence

Gene Info — CYP2C19

Entrez GeneID	1557
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 reticulum and is known to metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, omeprazole, diazepam and some barbiturates. Polymorphism within this gene is associated with variable ability to metabolize mephenytoin, known as the poor metabolizer and extensive metabolizer phenotypes. The gene is located within a cluster of cytochrome P450 genes on chromosome 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](#)