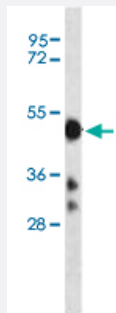


CYP2D6 polyclonal antibody

Catalog # PAB28506

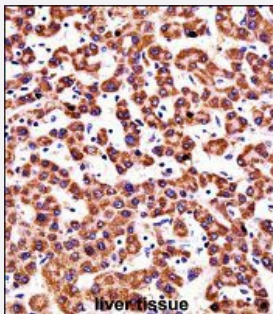
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of CYP2D6 polyclonal antibody (Cat # PAB28506) in MDA-MB453 cell line lysates (35ug/lane). CYP2D6 (arrow) was detected using the purified polyclonal antibody.



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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human liver tissue with CYP2D6 polyclonal antibody (Cat # PAB28506) followed by peroxidase conjugation of the secondary antibody and DAB staining.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CYP2D6.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 76-105 at N-terminal region at human CYP2D6.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification

Recommend Usage	Immunohistochemistry (1:10-50) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 CYP2D6 polyclonal antibody (Cat # PAB28506) in MDA-MB453 cell line lysates (35ug/lane). CYP2D6 (arrow) was detected using the purified polyclonal antibody.

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Gene Info — CYP2D6

Entrez GeneID	1565
Protein Accession#	P10635
Gene Name	CYP2D6
Gene Alias	CPD6, CYP2D, CYP2D@, CYP2DL1, MGC120389, MGC120390, P450-DB1, P450C2D, P450 DB1
Gene Description	cytochrome P450, family 2, subfamily D, polypeptide 6
Omim ID	124030
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 as many as 20% of commonly prescribed drugs. Its substrates include debrisoquine, an adrenergic-blocking drug; sparteine and propafenone, both anti-arrhythmic drugs; and amitriptyline, an anti-depressant. The gene is highly polymorphic in the population; certain alleles result in the poor metabolizer phenotype, characterized by a decreased ability to metabolize the enzyme's substrates. The gene is located near two cytochrome P450 pseudogenes on chromosome 22q13.1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

cytochrome P450 2D6|cytochrome P450, subfamily IID (debrisoquine, sparteine, etc., -metabolizing), polypeptide 6|cytochrome P450, subfamily IID (debrisoquine, sparteine, etc., -metabolizing)-like 1|debrisoquine 4-hydroxylase|flavoprotein-linked monooxygenase

Pathway

- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Drug metabolism - cytochrome P450](#)

Disease

- [Abortion](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Agranulocytosis](#)
- [Akathisia](#)
- [Alcohol-Related Disorders](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Anemia](#)
- [Anxiety Disorders](#)
- [Apnea](#)

- [Arrhythmia](#)
- [Arthritis](#)
- [Asthma](#)
- [Atrial Fibrillation](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Balkan Nephropathy](#)
- [Basal Ganglia Diseases](#)
- [Birth Weight](#)
- [Bone Neoplasms](#)
- [Bradycardia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Child Behavior Disorders](#)
- [Child Development Disorders](#)
- [Chromosome Aberrations](#)
- [Chromosome Deletion](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Consciousness](#)

- [Coronary Artery Disease](#)
- [Critical Illness](#)
- [Crohn Disease](#)
- [Cues](#)
- [Dementia](#)
- [Depression](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Disorders of Excessive Somnolence](#)
- [DNA Damage](#)
- [Drug Toxicity](#)
- [Drug-Induced Liver Injury](#)
- [Ductus Arteriosus](#)
- [Dyskinesia](#)
- [Dyskinesias](#)
- [Dysmenorrhea](#)
- [Dysthymic Disorder](#)
- [Edema](#)
- [Epilepsy](#)
- [Fatigue](#)
- [Fetal Diseases](#)
- [Gastrointestinal Diseases](#)
- [Gastroparesis](#)

- [Genetic Predisposition to Disease](#)
- [Genetics](#)
- [Glaucoma](#)
- [Head and Neck Neoplasms](#)
- [Heart Failure](#)
- [Hepatitis C](#)
- [Heroin Dependence](#)
- [HIV Infections](#)
- [Hot Flashes](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hyponatremia](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Insulin Resistance](#)
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- [Leukemia](#)
- [Lewy Body Disease](#)
- [Lichen Planus](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Long QT syndrome](#)

- [Low Back Pain](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Manganese Poisoning](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
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- [Motor Neuron Disease](#)
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- [Neoplasm Metastasis](#)
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- [Postoperative Nausea and Vomiting](#)
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- [Scleroderma](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Spondylitis](#)
- [Stomach Neoplasms](#)
- [Substance Withdrawal Syndrome](#)
- [Substance-Related Disorders](#)
- [Syndrome](#)
- [Tachycardia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Urticaria](#)
- [Uterine Cervical Neoplasms](#)
- [Ventricular Premature Complexes](#)

- [Vomiting](#)
- [Weight Gain](#)
- [Werner syndrome](#)