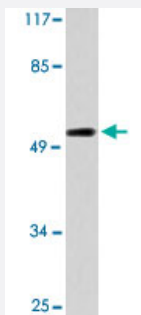


CYP2A6 polyclonal antibody

Catalog # PAB24904 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate with CYP2A6 polyclonal antibody (Cat # PAB24904).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CYP2A6.
Immunogen	A synthetic peptide corresponding to CYP2A6.
Host	Rabbit
Theoretical MW (kDa)	56
Reactivity	Human
Specificity	CYP2A6 polyclonal antibody detects endogenous levels of CYP2A6 protein.
Form	Liquid
Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) 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 Jurkat cell lysate with CYP2A6 polyclonal antibody (Cat # PAB24904).

- Immunofluorescence

Gene Info — CYP2A6

Entrez GeneID[1548](#)**Gene Name**

CYP2A6

Gene Alias

CPA6, CYP2A, CYP2A3, P450C2A, P450PB

Gene Description

cytochrome P450, family 2, subfamily A, polypeptide 6

Omim ID[122700](#) [122720](#) [188890](#) [211980](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene, CYP2A6, 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 its expression is induced by phenobarbital. The enzyme is known to hydroxylate coumarin, and also metabolizes nicotine, aflatoxin B1, nitrosamines, and some pharmaceuticals. Individuals with certain allelic variants are said to have a poor metabolizer phenotype, meaning they do not efficiently metabolize coumarin or nicotine. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. The gene was formerly referred to as CYP2A3; however, it has been renamed CYP2A6. [provided by RefSeq]

Other Designations

coumarin 7-hydroxylase|cytochrome P450, subfamily IIA (phenobarbital-inducible), polypeptide 3|cytochrome P450, subfamily IIA (phenobarbital-inducible), polypeptide 6|flavoprotein-linked monooxygenase|xenobiotic monooxygenase

Pathway

- [Caffeine metabolism](#)
- [Drug metabolism - cytochrome P450](#)
- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)
- [Retinol metabolism](#)

Disease

- [Adenocarcinoma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Carcinoma](#)
- [Cell Transformation](#)
- [Cocarcinogenesis](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Drug Toxicity](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Fetal Growth Retardation](#)
- [Genetic Predisposition to Disease](#)
- [Genetics](#)
- [Genomic Instability](#)
- [Growth Disorders](#)
- [Head and Neck Neoplasms](#)
- [HIV Infections](#)

- [Impulse Control Disorders](#)
- [Insomnia](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Liver Diseases](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Mesothelioma](#)
- [Mouth Neoplasms](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Personality Tests](#)
- [Pharyngeal Neoplasms](#)
- [Pleural Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Pregnancy Complications](#)

- [Puberty](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Substance Withdrawal Syndrome](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Venous Insufficiency](#)