

DNAxPAb

Hard-to-Find
Antibody

CYP2A6 DNAxPab

Catalog # H00001548-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CYP2A6 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MLASGMLLVALLVCLTVMVLMSVWQQRKSKGKLPPGPTPLPFIGNYLQLNTEQMYNSLMKISERY GPVFTIHLGPRRVVVLCGHDAVREALVDQAEFSGRGEQATFDWVFKGYGVVFSNGERAKQLR RFSIATLRDFGVGKRGIEERIQQEEAGFLIDAHRTGGANIDPTFFLSRTVSNVISSMFGDRFDYKDK EFLSLLRMMLGIFQFTSTSTGQLYEMFSSVMKHLPGPQQQAFQLLQGLEDFIAKKVEHNQRTLDP NSPRDFIDSFLIRMQEEEEKNPNTFYLKNLVMTTNLFIGGTETVSTTLRYGFLLLMKHPEVEAKVH EEIDRVIGKNRQPKFEDRAKMPYMEAVIHEIQRFGDVIPMSLARRVKKDTKFRDFFLPKGTEVYPM LGSVLRDPSFFSNPQDFNPQHFLNEKGQFKKSDAFVPFSIGKRNCFGEGGLARMELFLFTTVMQ NFRLLKSSQSPKDIDVSPKHVGFATIPRNYTMSFLPR
Host	Rabbit
Reactivity	Human
Purification	Protein A
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](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — CYP2A6

Entrez GeneID [1548](#)

GeneBank Accession# [BC096255.1](#)

Protein Accession# [AAH96255.1](#)

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](#)