

DNAxPAb

Hard-to-Find
Antibody

CYP3A5 DNAxPab

Catalog # H00001577-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human CYP3A5 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MDLIPNLAVETWLLAVSLVLLYLGTRTHGLFKRLGIPGPTPLLLGNVLSYRQGLWKFDTECYKKYGMWGTYEGQLPVLAITDPDVIRTVLVKECYSVFTNRRSLGPVGFMKSAISLAEDEEWKRIRSLLSPTFTSGKLEMFPIAQYGDVLVRNLRREAEGKGPVTLKDIFGAYSMDVITGTSFGVNIDSLNPNQDPFVESTKKFLKFGFLDPLFLSIIILFPFLTPVFEALNVSLFPKDTINFLSKSVNRMKKSRNLNDKQKHRLDFLQLMDSQNSKETESHKALSDLELAQSIIFIFAGYETTSSVLSFTLYELATHPDVQQKLQKEIDAVLPNKAPPTYDAVVQMEYLDMMVNETLRLFPVAIRLERTCKKDVEINGVFIPKGSMMVVIPTYALHHDPKYWTEPEEFRPERFSKKKDSIDPYITPFGTGPRNCIGMRFALNMMLALIRVLQNFSEFKPCKETQIPLKLDQTQGLLQPEKPMVKVDSRDGTLSGE

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 — CYP3A5

Entrez GeneID [1577](#)

GeneBank Accession# [BC033862.1](#)

Protein Accession# [AAH33862.1](#)

Gene Name CYP3A5

Gene Alias CP35, P450PCN3, PCN3

Gene Description cytochrome P450, family 3, subfamily A, polypeptide 5

Omim ID [145500 605325](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene,CYP3A5, 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 glucocorticoids and some pharmacological agents. The enzyme metabolizes drugs such as nifedipine and cyclosporine as well as the steroid hormones testosterone, progesterone and androstenedione. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. This cluster includes a pseudogene, CYP3A5P1, which is very similar to CYP3A5. This similarity has caused some difficulty in determining whether cloned sequences represent the gene or the pseudogene. [provided by RefSeq]

Other Designations aryl hydrocarbon hydroxylase|cytochrome P-450|cytochrome P450, subfamily IIIA (nifedipine oxidase), polypeptide 5|flavoprotein-linked monooxygenase|microsomal monooxygenase|nifedipine oxidase|xenobiotic monooxygenase

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Drug metabolism - other enzymes](#)
- [gamma-Hexachlorocyclohexane degradation](#)
- [Linoleic acid metabolism](#)

- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Retinol metabolism](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Anemia](#)
- [Atherosclerosis](#)
- [Balkan Nephropathy](#)
- [Body Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cadaver](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Central Nervous System Diseases](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Diarrhea](#)

- [Disease Progression](#)
- [DNA Damage](#)
- [Drug Toxicity](#)
- [Drug-Induced Liver Injury](#)
- [Dyskinesia](#)
- [Edema](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Exanthema](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Gilbert Disease](#)
- [Head and Neck Neoplasms](#)
- [Hemorrhage](#)
- [Hepatitis](#)
- [Hepatitis B](#)
- [HIV Infections](#)
- [Hot Flashes](#)
- [Hyperbilirubinemia](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Inflammation](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)

- [Kidney Neoplasms](#)
- [Leukemia](#)
- [Leukopenia](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lupus Nephritis](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Malaria](#)
- [Mental Disorders](#)
- [Miosis](#)
- [Multiple Chemical Sensitivity](#)
- [Multiple Myeloma](#)
- [Muscular Diseases](#)
- [Myelodysplastic Syndromes](#)
- [Myocardial Infarction](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Neutropenia](#)
- [Opioid-Related Disorders](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)

- [Ovarian Neoplasms](#)
- [Postoperative Complications](#)
- [Precancerous Conditions](#)
- [Pregnancy Complications](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Psychomotor Performance](#)
- [Psychotic Disorders](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Taste](#)
- [Testicular Neoplasms](#)
- [Thrombosis](#)
- [Urinary Bladder Neoplasms](#)
- [Urogenital Neoplasms](#)
- [Urologic Neoplasms](#)