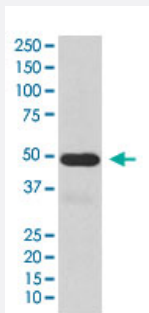


CYP3A4 monoclonal antibody, clone ACDE-3

Catalog # MAB22020

Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot (tissue lysate) analysis of human fetal liver lysate.

Specification

Product Description Rabbit monoclonal antibody raised against synthetic protein of human CYP3A4.

Immunogen A synthetic peptide corresponding to human CYP3A4.

Host Rabbit

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage
Immunoprecipitation (1:50)
Western Blot (1:1000-5000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% 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 (Tissue lysate)

Western Blot (tissue lysate) analysis of human fetal liver lysate.

- Immunoprecipitation

Gene Info — CYP3A4

Entrez GeneID [1576](#)

Protein Accession# [P08684](#)

Gene Name CYP3A4

Gene Alias CP33, CP34, CYP3A, CYP3A3, HLP, MGC126680, NF-25, P450C3, P450PCN1

Gene Description cytochrome P450, family 3, subfamily A, polypeptide 4

Omim ID [124010](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene, CYP3A4, 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. This enzyme is involved in the metabolism of approximately half the drugs which are used today, including acetaminophen, codeine, cyclosporin A, diazepam and erythromycin. The enzyme also metabolizes some steroids and carcinogens. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Previously another CYP3A gene, CYP3A3, was thought to exist; however, it is now thought that this sequence represents a transcript variant of CYP3A4. [provided by RefSeq]

Other Designations P450-III, steroid inducible|cytochrome P450, subfamily IIIA (nifedipine oxidase), polypeptide 3|cytochrome P450, subfamily IIIA (nifedipine oxidase), polypeptide 4|cytochrome P450, subfamily IIIA, polypeptide 4|glucocorticoid-inducible P450|nifedipine o

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](#)
- [Akathisia](#)
- [Anemia](#)
- [Asthma](#)
- [Balkan Nephropathy](#)
- [Body Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Central Nervous System Diseases](#)
- [Cholestasis](#)
- [Chronic Disease](#)
- [Colorectal Neoplasms](#)

- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diarrhea](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Drug Hypersensitivity](#)
- [Drug Toxicity](#)
- [Drug-Induced Liver Injury](#)
- [Dyskinesia](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Epidermal Necrolysis](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Exanthema](#)
- [Femur Head Necrosis](#)
- [Gastritis](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Gilbert Disease](#)
- [Glomerulonephritis](#)
- [Head and Neck Neoplasms](#)
- [Helicobacter Infections](#)

- [Hepatitis](#)
- [Hepatitis C](#)
- [Heroin Dependence](#)
- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Hodgkin Disease](#)
- [Hyperbilirubinemia](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypopharyngeal Neoplasms](#)
- [Inflammation](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Leukopenia](#)
- [Liver Cirrhosis](#)
- [Liver Failure](#)
- [Liver Neoplasms](#)
- [Long QT syndrome](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)

- [Malaria](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)
- [Muscular Diseases](#)
- [Myelodysplastic Syndromes](#)
- [Myocardial Infarction](#)
- [Nasopharyngeal Neoplasms](#)
- [Nausea](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
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- [Ovarian Failure](#)
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- [Pain](#)
- [Peptic Ulcer](#)

- [Pharyngeal Neoplasms](#)
- [Poisoning](#)
- [Polycystic Ovary Syndrome](#)
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- [Thrombocytopenia](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Urogenital Neoplasms](#)
- [Vomiting](#)