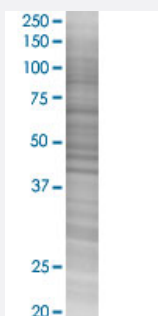


CYP1A2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001544-T02

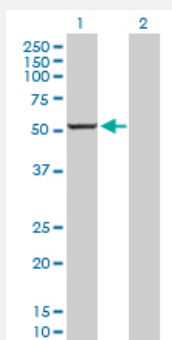
Size 100 uL

Applications



SDS-PAGE Gel

CYP1A2 transfected lysate.



Western Blot

Lane 1: CYP1A2 transfected lysate (58.50 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CYP1A2 full-length

Host Human

Theoretical MW (kDa) 58.5

Quality Control Testing Transient overexpression cell lysate was tested with Anti-CYP1A2 antibody ([H00001544-D01P](#)) by Western Blots.
SDS-PAGE Gel
CYP1A2 transfected lysate.
Western Blot
Lane 1: CYP1A2 transfected lysate (58.50 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CYP1A2

Entrez GeneID	1544
GeneBank Accession#	BC067427.1
Protein Accession#	AAH67427.1
Gene Name	CYP1A2
Gene Alias	CP12, P3-450, P450(PA)
Gene Description	cytochrome P450, family 1, subfamily A, polypeptide 2
Omim ID	124060
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. The protein encoded by this gene localizes to the endoplasmic reticulum and its expression is induced by some polycyclic aromatic hydrocarbons (PAHs), some of which are found in cigarette smoke. The enzyme's endogenous substrate is unknown; however, it is able to metabolize some PAHs to carcinogenic intermediates. Other xenobiotic substrates for this enzyme include caffeine, aflatoxin B1, and acetaminophen. The transcript from this gene contains four Alu sequences flanked by direct repeats in the 3' untranslated region. [provided by RefSeq]
Other Designations	P450 form 4 aryl hydrocarbon hydroxylase cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2 dioxin-inducible P3-450 flavoprotein-linked monooxygenase microsomal monooxygenase xenobiotic monooxygenase

Pathway

- [Caffeine metabolism](#)

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

Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Amyotrophic lateral sclerosis](#)
- [Arrhythmia](#)
- [Arthritis](#)
- [Asthma](#)
- [Attention](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Cholangiocarcinoma](#)
- [Chromosome Deletion](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)

- [Cocarcinogenesis](#)
- [Cognition](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Cryptorchidism](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diarrhea](#)
- [Drug Hypersensitivity](#)
- [Drug Toxicity](#)
- [Ductus Arteriosus](#)
- [Dyskinesia](#)
- [Dyskinesias](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Epidermal Necrolysis](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Exanthema](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Gilbert Disease](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis C](#)
- [Hyperbilirubinemia](#)

- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Infant](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Liver Neoplasms](#)
- [Long QT syndrome](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Mental Disorders](#)
- [Mesothelioma](#)
- [Migraine Disorders](#)
- [Mouth Neoplasms](#)
- [Myocardial Infarction](#)
- [Nausea](#)
- [Neoplasms](#)
- [Neural Tube Defects](#)
- [Obesity](#)
- [Opioid-Related Disorders](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)

- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Parkinson disease](#)
- [Pharyngeal Neoplasms](#)
- [Pleural Neoplasms](#)
- [Poisoning](#)
- [Polycystic Ovary Syndrome](#)
- [Porphyria](#)
- [Porphyria Cutanea Tarda](#)
- [Pregnancy Complications](#)
- [Prenatal Exposure Delayed Effects](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pruritus](#)
- [Psychiatric Status Rating Scales](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Seminoma](#)
- [Stevens-Johnson Syndrome](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Substance-Related Disorders](#)
- [Testicular Neoplasms](#)

- [Thrombophilia](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Urologic Neoplasms](#)
- [Vomiting](#)
- [Weight Gain](#)