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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CYP2A6 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00001548-T01

規格 : [100 uL]

[List All](#)

Specification

Transfected Cell Line: 293T

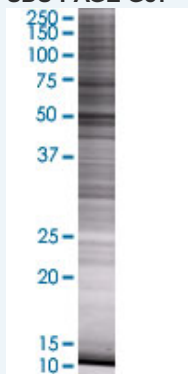
Plasmid: pCMV-CYP2A6 full-length

Host: Human

Theoretical MW (kDa): 54.45

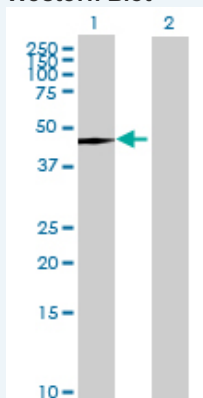
Quality Control Testing: Transient overexpression cell lysate was tested with Anti-CYP2A6 antibody ([H00001548-B01](#)) by Western Blots.

SDS-PAGE Gel



CYP2A6 transfected lysate.

Western Blot



Lane 1: CYP2A6 transfected lysate (54.45 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.

MSDS:  [Download](#)

Applications

Western Blot

Gene Information

Entrez GeneID: [1548](#)

GeneBank [BC096255.1](#)
Accession#:

Protein [AAH96255.1](#)
Accession#:

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

Gene Pathway

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

Related Disease

[Adenocarcinoma](#) [Attention Deficit Disorder with Hyperactivity](#) [Carcinoma, Hepatocellular](#) [Carcinoma, Non-Small-Cell Lung](#) [Carcinoma, Small Cell](#) [Carcinoma, Squamous Cell](#) [Cell Transformation, Neoplastic](#) [Cocarcinogenesis](#) [Colorectal Neoplasms](#) [Disease Progression](#) [Disease Susceptibility](#) [DNA Damage](#) [Drug Toxicity](#) [Epilepsy](#) [Esophageal Neoplasms](#) [Fetal Growth Retardation](#) [Genetic Predisposition to Disease](#) [Genetics, Behavioral](#) [Genomic Instability](#)

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