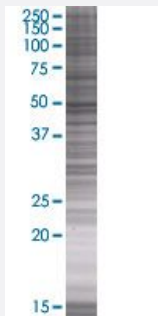


CYP2A7 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001549-T01

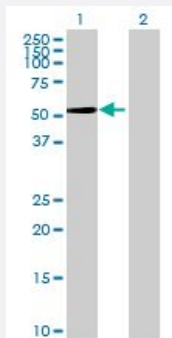
Size 100 uL

Applications



SDS-PAGE Gel

CYP2A7 transfected lysate.



Western Blot

Lane 1: CYP2A7 transfected lysate (56.4 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CYP2A7 full-length
Host	Human
Theoretical MW (kDa)	56.4
Interspecies Antigen Sequence	Mouse (84); Rat (85)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CYP2A7 antibody ([H00001549-B01](#)) by Western Blots.
 SDS-PAGE Gel
 CYP2A7 transfected lysate.
 Western Blot
 Lane 1: CYP2A7 transfected lysate (56.4 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 — CYP2A7

Entrez GeneID

[1549](#)

GeneBank Accession#

[NM_000764](#)

Protein Accession#

[NP_000755](#)

Gene Name

CYP2A7

Gene Alias

CPA7, CPAD, CYP2A, CYP11A7, P450-11A4

Gene Description

cytochrome P450, family 2, subfamily A, polypeptide 7

Omim ID

[608054](#)

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. This protein localizes to the endoplasmic reticulum; its substrate has not yet been determined. This gene, which produces two transcript variants, is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. [provided by RefSeq]

Other Designations

cytochrome P450, subfamily 11A (phenobarbital-inducible), polypeptide 7

Pathway

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

Disease

- [Kidney Failure](#)