

# GOAT ANTI-CYTOCHROME P450 1A2 (MOUSE) ANTIBODY

**SKU:** EB11171

250kDa

150kDa

100kDa

75kDa

50kDa

37kDa

25kDa

20kDa

## SPECIFICATIONS

<b>Formulation</b>	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
<b>Unit Size</b>	100 µg
<b>Storage Instructions</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Synonym / Alias Names</b>	Cyp1a2  P450-3  cytochrome P450-P3  cytochrome P450-P2  cytochrome P450, family 1, subfamily A, polypeptide 2  cytochrome P450, 1a2, aromatic compound inducible  cytochrome P450 family 1 subfamily a polypeptide 1  cytochrome P450 1A2  CYP1A2  Cyp1a1  CP12  aromatic compound inducible
<b>Accession ID</b>	NP_034123.1
<b>Blocking Peptide</b>	EBP11171
<b>Immunogen</b>	Peptide with sequence C-HSENYKDNGGLIPEEK, from the internal region of the protein sequence according to NP_034123.1.
<b>Product Comments</b>	This antibody is not expected to cross-react to the similar P450 1A1.
<b>Peptide Sequence</b>	C-HSENYKDNGGLIPEEK
<b>Purification Method</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Shipping Instructions</b>	Refrigerated
<b>Predicted Species</b>	Mouse, Rat
<b>Reactive Species</b>	Human, Mouse, Rat
<b>Mouse Gene ID</b>	13077
<b>Rat Gene ID</b>	24297
<b>Product Grade</b>	<a href="https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png">https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png</a>
<b>ELISA Detection Limit</b>	Antibody detection limit dilution 1:32000.
<b>Western Blot</b>	Approx 60kDa band observed in Mouse fetal Liver lysates and approx. 55kDa in Human Liver and Lung lysates (calculated MW of 58.4kDa according to Human NP_000752.2 and 58.2kDa according to Mouse NP_034123.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour. This antibody has been successfully used in WB on Rat Liver lysates, PMID: 35094979.
<b>Application Type</b>	Pep-ELISA, WB

## SELECTED REFERENCES

[{"pmid": 35094979, "intro": "**This antibody has been successfully used in Western blot on Rat:**", "title": "Proteomic and Bioinformatics Analysis of Membrane Lipid Domains after Brij 98 Solubilization of Uninduced and Phenobarbital-Induced Rat Liver Microsomes: Defining the Membrane Localization of the P450 Enzyme System", "author": "James R Reed, Jessie J Guidry, Wayne L Backes", "journal": "Drug Metab Dispos. 2022 Apr;50(4):374-385."}]

## DOCUMENTS

- [Data Sheet](#)

## GALLERY IMAGES

