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GOAT ANTI-CYTOCHROME P450 1A2 (MOUSE) ANTIBODY

SKU: EB11171



250kDa

150kDa

100kDa

75kDa

50kDa

37kDa

25kDa

20kDa



SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	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 CYPIA2 Cyp1a1 CP12 aromatic compound inducible
Accession ID	NP_034123.1
Blocking Peptide	EBP11171
Immunogen	Peptide with sequence C-HSENYKDNGGLIPEEK, from the internal region of the protein sequence according to NP_034123.1.
Product Comments	This antibody is not expected to cross-react to the similar P450 1A1.
Peptide Sequence	C-HSENYKDNGGLIPEEK
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Mouse, Rat
Reactive Species	Human, Mouse, Rat
Mouse Gene ID	13077
Rat Gene ID	24297
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:32000.
Western Blot	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.
Application Type	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

