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EB11171 - Goat Anti-Cytochrome P450 1A2 (mouse) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: aromatic compound inducible, CP12, Cyp1a1, CYPIA2, cytochrome P450 1A2, cytochrome P450 family 1 subfamily a polypeptide 1, cytochrome P450, 1a2, aromatic compound inducible, cytochrome P450, family 1, subfamily A, polypeptide 2, cytochrome P450-P2, cytochrome P450-P3, P450-3, Cyp1a2

Official Symbol: Cyp1a2

Accession Number(s): NP_034123.1

Non-Human GenelD(s): 13077 (mouse), 24297 (rat)

Important Comments: This antibody is not expected to cross-react to the similar P450

1A1.

Immunogen

Peptide with sequence C-HSENYKDNGGLIPEEK, from the internal region of the protein sequence according to NP_034123.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: 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.

Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Mouse, Rat

Specific Reference

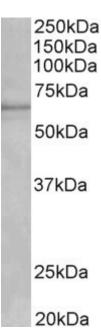
This antibody has been successfully used in Western blot on Rat:

James R Reed, Jessie J Guidry, Wayne L Backes

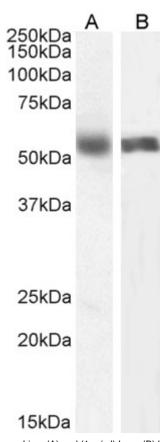
Proteomic and Bioinformatics Analysis of Membrane Lipid Domains after Brij 98 Solubilization of Uninduced and Phenobarbital-Induced Rat Liver Microsomes: Defining the Membrane Localization of the P450 Enzyme System

Drug Metab Dispos. 2022 Apr;50(4):374-385.

PMID: 35094979



EB11171 (1µg/ml) staining of fetal Mouse Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB11171 (0.5μg/ml) staining of Human Liver (A) and (1ug/ml) Lung (B) lysate (35μg protein in RIPA buffer).

Detected by chemiluminescence.