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Research Use Only. Not for diagnostic or therapeutic use.

EB11172 - Goat Anti-cytochrome P450 1A1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: AHH, AHRR, aryl hydrocarbon hydroxylase, CP11, CYP1, CYPIA1, cytochrome P1-450, dioxin-inducible, cytochrome P450 1A1, cytochrome P450 form 6, cytochrome P450, family 1, subfamily A, polypeptide 1, cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 1, cytochrome P450-C, cytochrome P450-P1, flavoprotein-linked monooxygenase, OTTHUMP00000183469, P1-450, P450-C, P450DX, xenobiotic monooxygenase, CYP1A1

Official Symbol: CYP1A1

Accession Number(s): NP_000490.1

Human GeneID(s): 1543

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

1A2

Immunogen

Peptide with sequence CQEKQLDENANVQ, from the internal region of the protein sequence according to NP_000490.1.

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

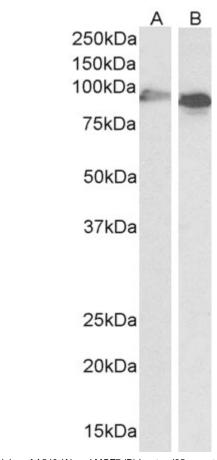
Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 85-90kDa band observed in lysates of cell lines A549 and MCF7 (calculated MW of 58.2kDa according to NP_000490.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.3-1μg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human



EB11172 (0.3μg/ml) staining of A549 (A) and MCF7 (B) lysates (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.