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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, CYP1A1, 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 (0.3 $\mu$ g/ml) staining of A549 (A) and MCF7 (B) lysates (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.