



## OXFORD BIOMEDICAL RESEARCH

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# Anti-Human Cytochrome P450 1A2

**Product # PH 17**      **Typical Lot**

### **Immunoglobulin**

**Type:** Polyclonal goat IgG .

**Immunogen:** Recombinant human P450 1A2 expressed in E. coli.

**Specificity:** INHIBITION PROPERTIES: Inhibits approximately 80% of the ethoxyresorufin O-deethylase activity of human liver microsomes at a concentration of 10 mg IgG/nmol P450.

WESTERN BLOTS: recognizes a band (P450 1A2) in human liver microsomes. Reactive with 0.2 µg of recombinant human P450 1A2. Only slightly cross-reacts with recombinant human P450 1A1 after prolonged incubation. Does not cross-react with recombinant human cytochromes P450 2E1, 3A4, or 2C10.

**Applications:** Inhibition assay or Western blots.

**Contents:** 0.5 mL of purified goat IgG.

**Concentration:** 10 mg/mL in 20 mM Phosphate buffer (pH 8.0).

**Working Dilution:** A dilution of 1/2000 for Western blots will yield a positive result with 0.2 µg of recombinant human cytochrome P450 1A2 using alkaline phosphatase-conjugated anti-goat IgG secondary antibody according to the manufacturer's instructions.



**Storage:** Store at -20°C. Do not freeze and thaw repeatedly. Refreezing the product may result in a loss of activity.

**References:** Sandhu, P., Guo Z, Baba T., Martin, M.V., Tukey, R.H., and Guengerich, F.P. *Arch. Biochem. Biophys.* **309**, 168-177, (1994).