

## Cytochrome P450 Polyclonal Antibody

### ORDERING INFORMATION

**Catalog nos.:** 13006-50 (50ug) 13006-200 (200ug)

**Format:** Protein A-purified antibody in PBS, pH 7.2, 50% glycerol, 0.09% sodium azide,.

### BACKGROUND

Cytochrome p450 is a highly conserved and diverse family of heme-containing proteins that function in the metabolism of numerous endogenous and exogenous substrates. The human genome encodes 57 p450 genes divided among 18 families which together account for the diversity of substrates metabolized. p450 is the primary conjugating enzyme in phase I metabolism and detoxification of endogenous and exogenous compounds and are primarily localized to the inner membranes of mitochondria and the ER. Eukaryotic microsomal cytochrome p450 enzymes receive electrons from the FAD- and FMN-containing enzyme NADPH:cytochrome p450 reductase.

### SPECIFICATION SUMMARY

**Antigen:** Native rat cytochrome P450.

**Accession no.:** P05182

**Gene ID:** 25086

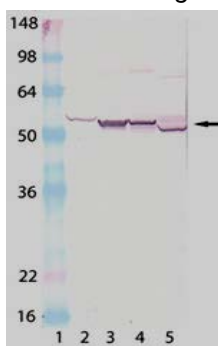
**Host Species:** Rabbit

**Antibody Class:** Polyclonal

**Specificity:** This antibody recognizes human, mouse, rat, rabbit, canine, Guinea pig, horse and monkey cytochrome P450.

### APPLICATIONS

**Immunoblotting:** Use at 1-5ug/ml. A band of ~50-55kDa is detected.



Detection of cytochrome P450 in human liver microsomes (Lane 2), rat liver microsomes (Lane 3), mouse liver microsomes (Lane 4), rabbit liver microsomes (Lane 5).

These are recommended concentrations. Endusers should determine optimal concentrations for their application.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Store in appropriate aliquots to avoid repeated freeze/thaw cycles.

*For in vitro investigational use only. Not intended for therapeutic or diagnostic procedures.*