

## CYP3A4

**Reactivity:**Human Mouse

**Tested applications:**WB IHC FC

**Recommended Dilution:**WB 1:500 - 1:1000 IHC 1:50 - 1:100 FC 1:20 - 1:50

**Calculated MW:**57kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human CYP3A4

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CP33; CP34; CYP3A; CYP3A3; HLP; MGC126680; NF-25; P450C3; P450PCN1;

**Catalog #:**A2219

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1576

**Isotype:**IgG

**Swiss Prot:**P08684

**Purity:**Affinity purification

For research use only.

**Background:**

Cytochrome P450, subfamily 3A, polypeptide 4 (CYP3A4) is a mono-oxygenase enzyme (1) found in the endoplasmic reticulum membrane of liver and prostate microsomes. It is an important enzyme in drug metabolism; it catalyzes phase I oxidation reactions in approximately 50% of drugs in the modern market, as well as steroids, fatty acids, and some carcinogens (2). It is also involved in steroid and cholesterol synthesis (3,4). Expression of CYP3A4 can be induced by glucocorticoids, carcinogens, pesticides, and drugs, which can lead to drug interactions and toxicity (5).

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