

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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