

Cytochrome P450 3A4 Rabbit mAb

Catalog No: #59511

Package Size: #59511-1 50ul #59511-2 100ul

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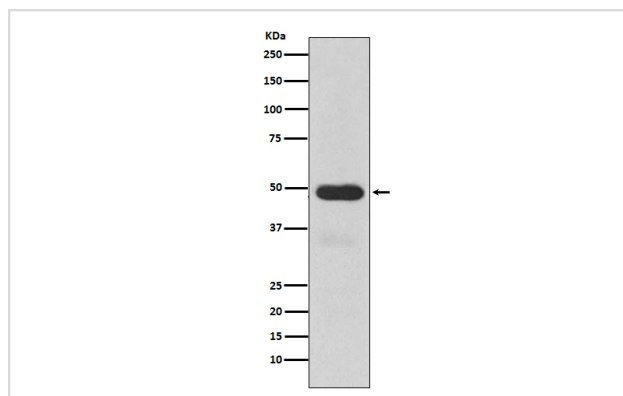
Description

Product Name	Cytochrome P450 3A4 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC IP
Species Reactivity	Human
Specificity	Cytochrome P450 3A4 Antibody detects endogenous levels of total Cytochrome P450 3A4
Immunogen Description	A synthesized peptide derived from human Cytochrome P450 3A4
Other Names	CYP3A4; CYP11A3; CYP11A4; Cytochrome P450 3A3; Cytochrome P450 HLP; Cytochrome P450 NF-25; Cytochrome P450-PCN1; Nifedipine oxidase;
Accession No.	Uniprot:P08684
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Application Details

WB 1:1000~1:5000 IHC 1:50~1:200 IP 1:50

Images



Western blot analysis of Cytochrome P450 3A4 expression in Human fetal liver lysate.

Background

Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It performs a variety of oxidation reactions (e.g. caffeine 8-oxidation, omeprazole sulfoxidation, midazolam 1'-hydroxylation and midazolam 4-hydroxylation) of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. The enzyme also hydroxylates etoposide.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.