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CYP3A4 Polyclonal Antibody

Catalog No: tcba7567

Available Sizes

Size: 50ul

Size: 100ul

Size: 200ul

Specifications

Application:
WB,IHC,IF,FC

Research Area:
Cancer,Cardiovascular,Cell Biology,Metabolism,Lipid Metabolism pathway,

Species Reactivity:
Human,Mouse,Rat

Host Species:
Rabbit

Isotype:
IgG

Form:
Liquid

Storage Buffer:
Buffer: PBS with 0.02% sodium azide, pH7.3.

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

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Storage Instruction:
Store at 4℃. Avoid freeze / thaw cycles.

Alternative Names:
CP33;CP34;CYP3A;CYP3A3;CYPIIIA3;CYPIIIA4;HLP;NF-25;P450C3;P450PCN1

SwissProt:
P08684

Gene ID:
1576 (human);

Calculated Molecular Weight:
57kDa

Purification:
Affinity purification

Cellular Location:
Endoplasmic reticulum membrane,Microsome membrane,Single-pass membrane protein,

Product Description

This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases that catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and its expression is induced by glucocorticoids and some pharmacological agents. This enzyme is involved in the metabolism of approximately half the drugs in use today, including acetaminophen, codeine, cyclosporin A, diazepam and erythromycin. The enzyme also metabolizes some steroids and carcinogens. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Previously another CYP3A gene, CYP3A3, was thought to exist; however, it is now thought that this sequence represents a transcript variant of CYP3A4. Alternatively spliced transcript variants encoding different isoforms have been identified.

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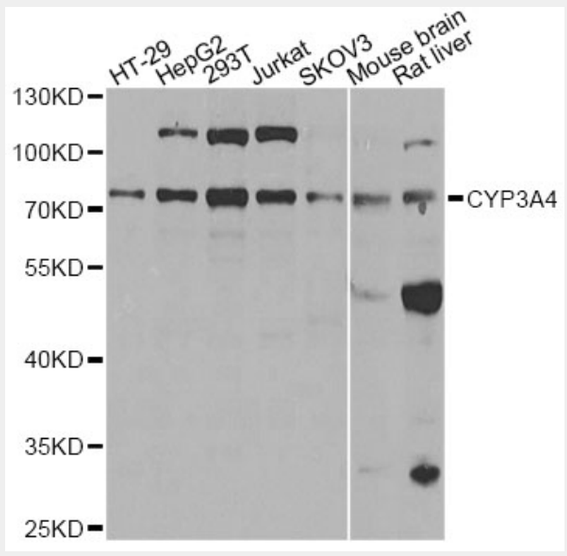
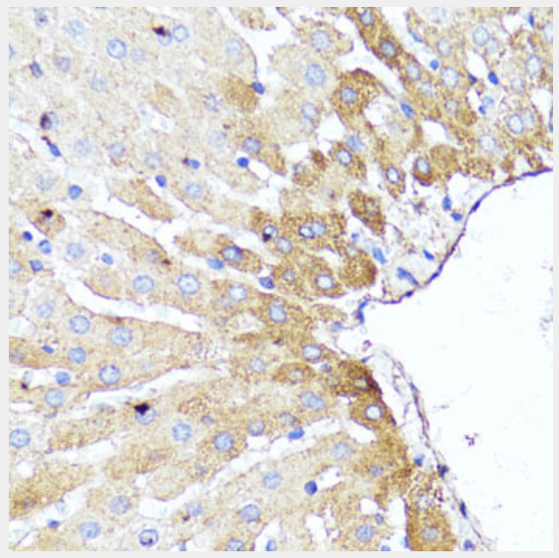
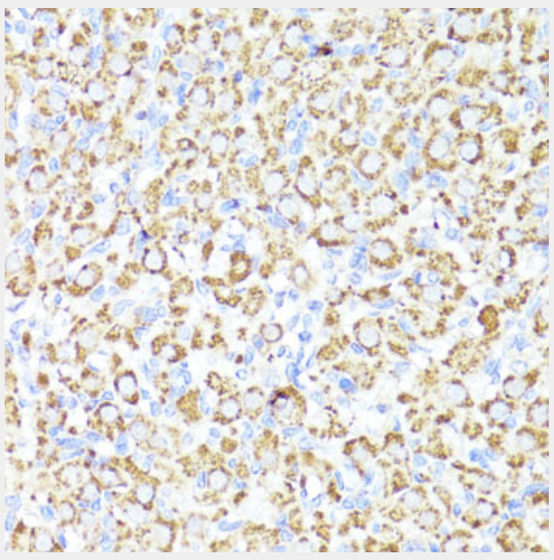


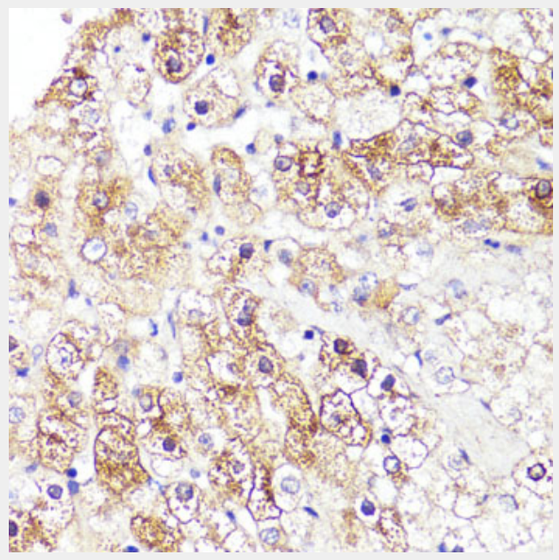
Western blot analysis of extracts of various cell lines, using CYP3A4 antibody at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit.
Exposure time: 15s.



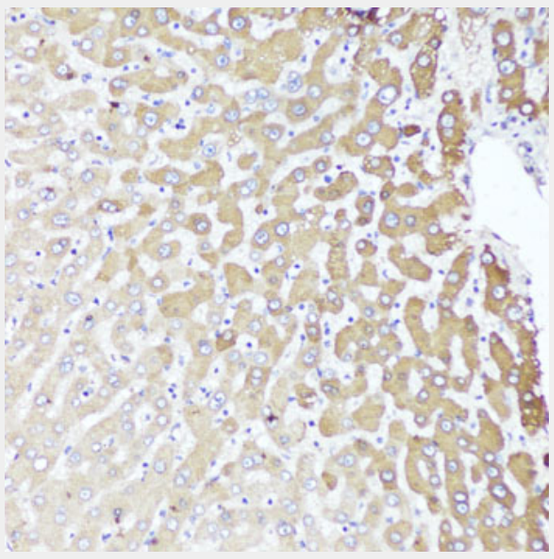
Immunohistochemistry of paraffin-embedded rat liver using CYP3A4 antibody at dilution of 1:100 (40x lens).



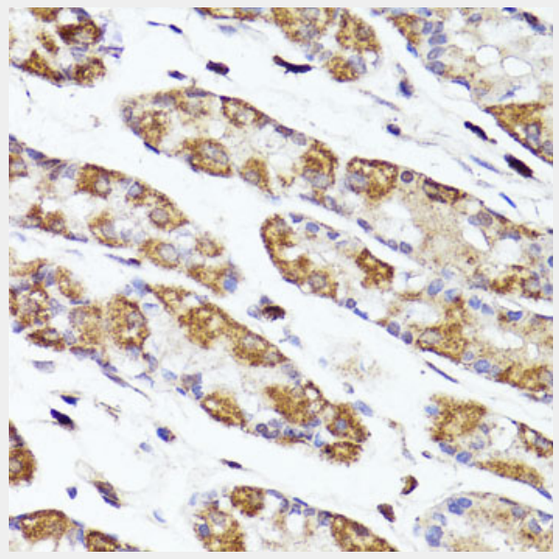
Immunohistochemistry of paraffin-embedded rat ovary using CYP3A4 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human liver using CYP3A4 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human liver cancer using CYP3A4 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using CYP3A4 antibody at dilution of 1:100 (40x lens).

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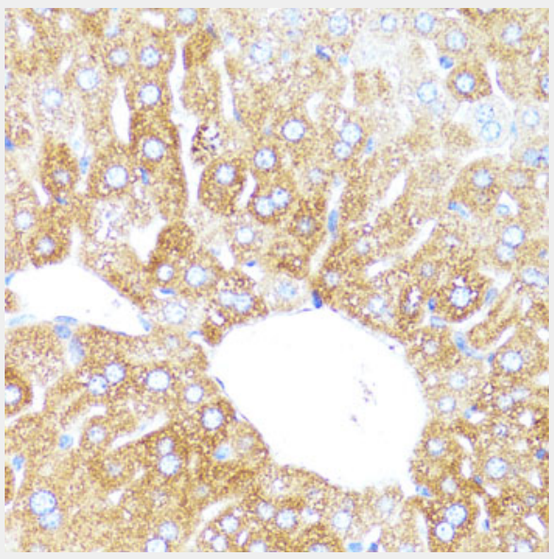
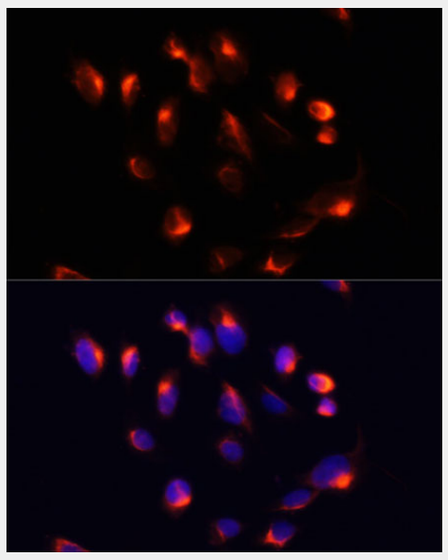
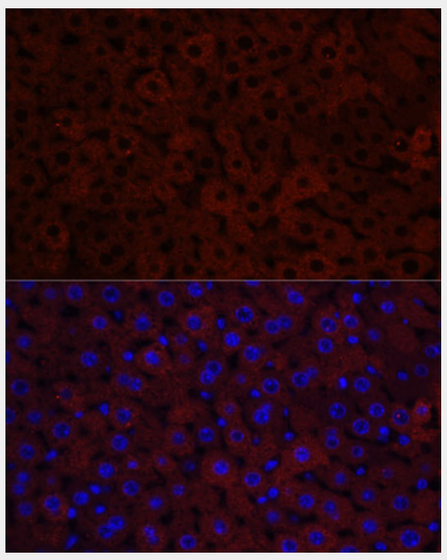


Immunohistochemistry of paraffin-embedded mouse liver using CYP3A4 antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using CYP3A4 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse liver using CYP3A4 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

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