CYP24A1 Rabbit Polyclonal Antibody

Catalog No: #29276

Package Size: #29276-1 50ul #29276-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	CYP24A1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human CYP24A1 (NP_001122387.1).
Other Names	CYP24A1;CP24;CYP24;HCAI;HCINF1;P450-CC24
Accession No.	Swiss Prot:Q07973GeneID:1591
Calculated MW	43kDa/51kDa/58kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

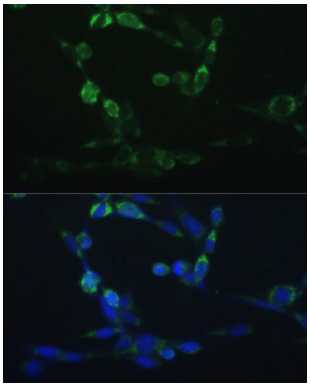
Application Details

IHC□1:50 - 1:100

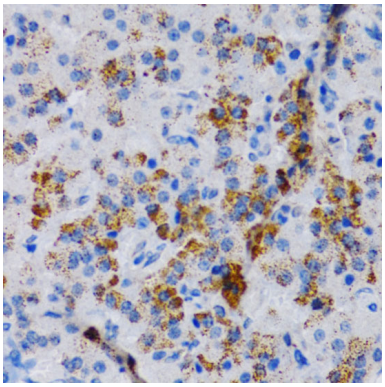
IF□1:50 - 1:100

WB 1:500 - 1:2000

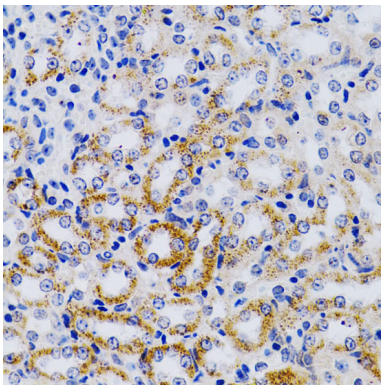
Images



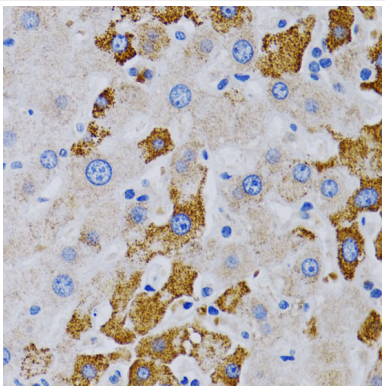
Immunofluorescence analysis of NIH-3T3 cells using CYP24A1 Polyclonal at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



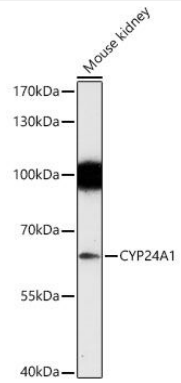
Immunohistochemistry of paraffin-embedded rat pancreas using CYP24A1 at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using CYP24A1 at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human liver cancer using CYP24A1 at dilution of 1:200 (40x lens).



Western blot analysis of extracts of Mouse kidney, using CYP24A1 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.

Background

This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This mitochondrial protein initiates the degradation of 1,25-dihydroxyvitamin D3, the physiologically active form of vitamin D3, by hydroxylation of the side chain. In regulating the level of vitamin D3, this enzyme plays a role in calcium homeostasis and the vitamin D endocrine system. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only