CYP24A1 Polyclonal Antibody | anti-CYP24A1 antibody

CYP24A1

CATALOG #	APPLICATIONS
AAA10721	**Western Blot, Immunohistochemistry**

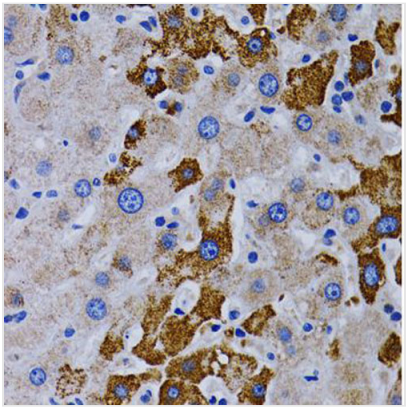
PRODUCT SYNONYMS

CYP24A1; Polyclonal Antibody; CP24;CYP24;HCAI;HCINF1;P450-CC24; anti-CYP24A1 antibody

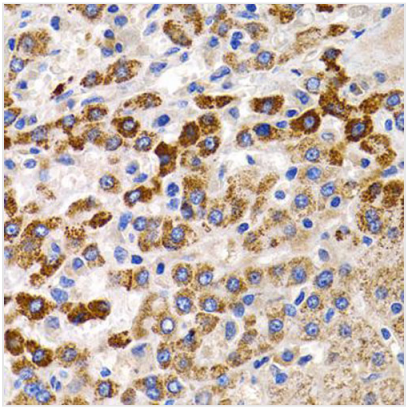
PRODUCT SPECIFICATIONS

Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	514
Applicable Applications for anti-CYP24A1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB 1:500 - 1:2000 IHC 1:50 - 1:200
Source	Rabbit
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 36-448 of human CYP24A1 (NP_001122387.1)
Cross-Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



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



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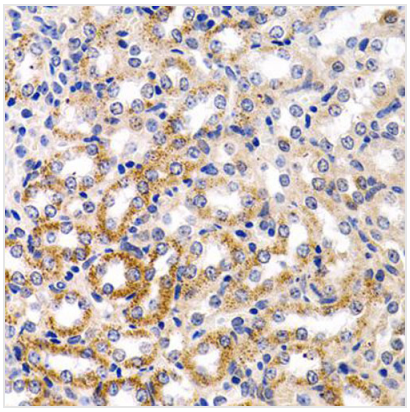
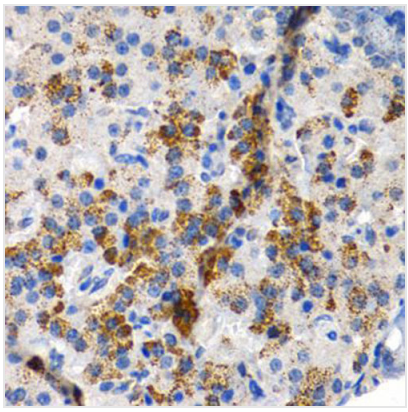
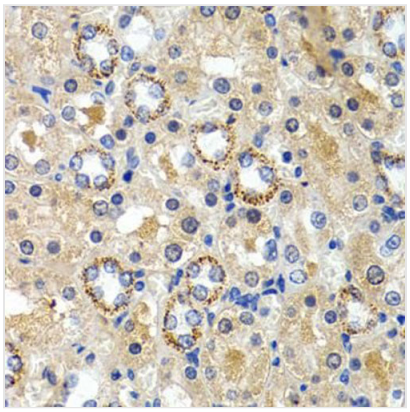


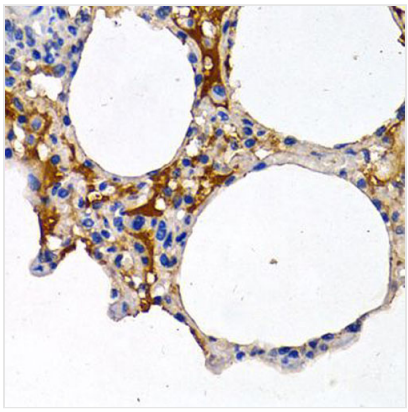
IHC (Immunohistchemistry)
Immunohistochemistry of paraffin-embedded mouse kidney using CYP24A1 antibody at dilution of 1:200 (40x lens).



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



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



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

ADDITIONAL INFORMATION

Related Product Information for anti-CYP24A1 antibody	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
Product Categories/Family for anti-CYP24A1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	19862747
NCBI GeneID	1591
UniProt Accession #	Q07973; Q15807; Q32ML3; Q5I2W7
Molecular Weight	Observed MW: 65kDa Calculated MW: 43kDa/51kDa/58kDa
NCBI Official Full Name	1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial
NCBI Official Synonym Full Names	cytochrome P450, family 24, subfamily A, polypeptide 1
NCBI Official Symbol	CYP24A1

NCBI Official Synonym Symbols	CP24; HCAI; CYP24; P450-CC24
NCBI Protein Information	1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial; 1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial; 24-OHase; cytochrome P450 24A1; cytochrome P450-CC24; vitamin D 24-hydroxylase; exo-mitochondrial protein; vitamin D(3) 24-hydroxylase; 1,25-@dihydroxyvitamin D3 24-hydroxylase; cytochrome P450, subfamily XXIV (vitamin D 24-hydroxylase)
UniProt Protein Name	1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial
UniProt Gene Name	**CYP24A1**
UniProt Synonym Gene Names	CYP24; 24-OHase; Vitamin D(3) 24-hydroxylase
UniProt Entry Name	CP24A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/cyp24a1-antibody-western-blot-immunohistochemistry-elisa/10721