

Rabbit anti-Human CYP24A1 Polyclonal Antibody | anti-CYP24A1 antibody

CYP24A1 Antibody (C-term)

CATALOG # AAA286918	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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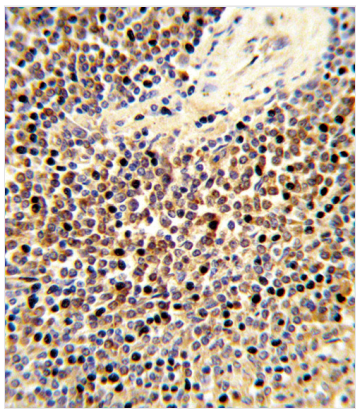
PRODUCT SYNONYMS

CYP24A1; Polyclonal Antibody; CYP24A1 Antibody (C-term); 25-dihydroxyvitamin D(3) 24-hydroxylase; mitochondrial; 24-OHase; Vitamin D(3) 24-hydroxylase; Cytochrome P450 24A1; Cytochrome P450-CC24; CYP24; anti-CYP24A1 antibody

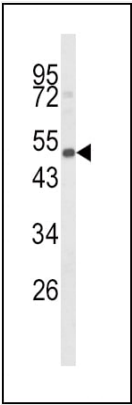
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYP24A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 466-494 amino acids from the C-terminal region of human CYP24A1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	466-494
Sequence Length	514
Applicable Applications for anti-CYP24A1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human spleen tissue reacted with CYP24A1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CYP24A1 Antibody (C-term) in mouse spleen tissue lysates (35ug/lane). CYP24A1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP24A1 antibody	CYP24A1 is 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.
Product Categories/Family for anti-CYP24A1 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Okuda,K., et.al., J. Lipid Res. 36 (8), 1641-1652 (1995) Bosse,Y., et.al., Respir. Res. 10, 98 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	55770850
NCBI GeneID	1591
NCBI Accession #	NP_000773.2; NP_001122387.1
NCBI GenBank Nucleotide #	NM_000782.4
UniProt Accession #	Q07973; Q15807; Q32ML3; Q5I2W7
Molecular Weight	58875
NCBI Official Full Name	1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial isoform 1
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
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-immunohistochemistry-western-blot-elisa/286918>