

Rabbit anti-Human Cytochrome P450 24A1 Polyclonal Antibody | anti-CYP24A1 antibody

Cytochrome P450 24A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324255	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Cytochrome P450 24A1; Polyclonal Antibody; Cytochrome P450 24A1 Antibody; 1 25 dihydroxyvitamin D3 24 hydroxylase; 1 25 dihydroxyvitamin D(3) 24 hydroxylase; 1; 25-dihydroxyvitamin D(3) 24-hydroxylase; mitochondrial; 24 OHase; 24-OHase; CP 24; CP24; CP24A_HUMAN; CYP 24; CYP24; CYP24A1; Cytochrome P450 24A1 mitochondrial; cytochrome P450 CC24; Cytochrome P450 family 24; Cytochrome P450 family 24 subfamily A member 1; Cytochrome P450 family 24 subfamily A polypeptide 1; Cytochrome P450 subfamily XXIV; Cytochrome P450; subfamily XXIV (vitamin D 24-hydroxylase); Cytochrome P450-CC24; EC 1.14.13.n4; Exo mitochondrial protein; HCAI; HCINF1; MGC126273; MGC126274; P450 CC24; Vitamin D 24 hydroxylase; Vitamin D(3) 24 hydroxylase; Vitamin D(3) 24-hydroxylase; anti-CYP24A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 24A1 antibody detects endogenous levels of total Cytochrome P450 24A1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	514
Applicable Applications for anti-CYP24A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion.
Predicted Cross Reactivity	Rabbit, Dog
Similarity	Rabbit (92%), Dog (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HUVEC cells, using Cytochrome P450 24A1 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324255 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP24A1 antibody	Function: Has a role in maintaining calcium homeostasis. Catalyzes the adrenodoxin-dependent 24-hydroxylation of calcidiol (25-hydroxyvitamin D3) and calcitriol (1-alpha, 25-dihydroxyvitamin D3). The enzyme can perform up to 6 rounds of hydroxylation of calcitriol leading to calcitroic acid. It also shows 23-hydroxylating activity leading to 1-alpha, 25-dihydroxyvitamin D3-26, 23-lactone as end product. Similarity: Belongs to the cytochrome P450 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55770850
NCBI GeneID	1591
NCBI Accession #	NP_000773.2
NCBI GenBank Nucleotide #	NM_000782.4
UniProt Accession #	Q07973; Q15807; Q32ML3; Q5I2W7
Molecular Weight	Observed: 60 kD Predicted: 59 kDa
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 member 1
NCBI Official Symbol	CYP24A1
NCBI Official Synonym Symbols	CP24; HCAI; CYP24; HCINF1; 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

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/cytochrome-p450-24a1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324255>