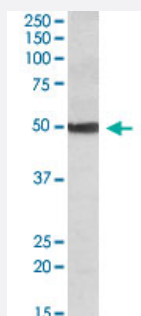


CYP24A1 polyclonal antibody

Catalog # PAB18975

Size 100 ug

Applications



Western Blot (Tissue lysate)

CYP24A1 polyclonal antibody (Cat # PAB18975, 0.1 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of CYP24A1.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human CYP24A1.
Sequence	C-RKYDIQATDN
Host	Goat
Theoretical MW (kDa)	50
Reactivity	Human, Rat
Specificity	This antibody is expected to recognize both reported isoforms (NP_000773.2; NP_001122387.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In 0.5 mg/mL in Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

CYP24A1 polyclonal antibody (Cat # PAB18975, 0.1 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CYP24A1

Entrez GeneID	1591
Protein Accession#	NP_000773.2;NP_001122387.1
Gene Name	CYP24A1
Gene Alias	CP24, CYP24, MGC126273, MGC126274, P450-CC24
Gene Description	cytochrome P450, family 24, subfamily A, polypeptide 1
Omim ID	126065
Gene Ontology	Hyperlink

Gene Summary	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. [provided by RefSeq]
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Other Designations	1,25-@dihydroxyvitamin D3 24-hydroxylase 24-OHase OTTHUMP00000031314 cytochrome P450 family 24 subfamily A polypeptide 1 cytochrome P450, subfamily XXIV (vitamin D 24-hydroxylase) exo-mitochondrial protein vitamin D 24-hydroxylase
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Publication Reference

- [Protective effect of calcitriol on rhabdomyolysis-induced acute kidney injury in rats.](#)

Reis NG, Francescato HDC, de Almeida LF, Silva CGAD, Costa RS, Coimbra TM.

Scientific Reports 2019 May; 9(1):7090.

Application: WB-Ti, Rat, Rat renal cortex

Disease

- [Adenocarcinoma](#)
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- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
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