

Datasheet for ABIN453594

anti-CYP24A1 antibody (C-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	0.4 mL
Target:	CYP24A1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP24A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 473~502 from the C-terminal region of Human CYP24A1
Specificity:	This antibody recognizes CYP24A1.
Purification:	Saturated Ammonium Sulfate (SAS) Precipitation followed by dialysis against PBS.

Target Details

Target:	CYP24A1
Alternative Name:	CYP24A1 (CYP24A1 Products)
Background:	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

Target Details

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. Synonyms: 24-OHase, 25-dihydroxyvitamin D(3) 24-hydroxylase, CYP24, Cytochrome P450 24A1, Cytochrome P450-CC24, Vitamin D3 24-hydroxylase, mitochondrial 1

Gene ID: 1591

NCBI Accession: [NP_000773](#)

UniProt: [Q07973](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#)

Application Details

Application Notes: ELISA: 1/1,000. Western blotting: 1/50-1/100. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium Azide as preservative.

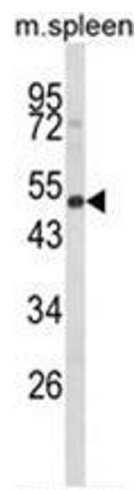
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of CYP24A1 Antibody (C-term) in mouse spleen tissue lysates (35ug/lane). CYP24A1 (arrow) was detected using the purified Pab.