

Datasheet for ABIN7113266 **anti-CYP24A1 antibody**



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Overview

Quantity:	100 µg
Target:	CYP24A1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP24A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	cytochrome P450, family 24, subfamily A, polypeptide 1
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	CYP24A1
Alternative Name:	CYP24A1 (CYP24A1 Products)
Background:	Synonyms:24 OHase, CP24, CYP24, CYP24A1, Cytochrome P450 24A1, Cytochrome P450 CC24, P450 CC24, Vitamin D(3) 24 hydroxylase Background: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

Target Details

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.

Molecular Weight: 59 kDa

Gene ID: 1591

UniProt: [Q07973](#)

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

Application Details

Application Notes: WB: 1:500 - 1:2000, IHC: 1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3 ,

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months