

Datasheet for ABIN7442240
anti-CYP27B1 antibody (AA 251-500)

3 Images

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Overview

Quantity:	100 µL
Target:	CYP27B1
Binding Specificity:	AA 251-500
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP27B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Cytochrome P450 27B1 (CYP27B1)
Immunogen:	Recombinant Cytochrome P450 27B1 (CYP27B1) corresponding to Asp251~Asp500 (Accession # O35132)
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against CYP27B1. It has been selected for its ability to recognize CYP27B1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

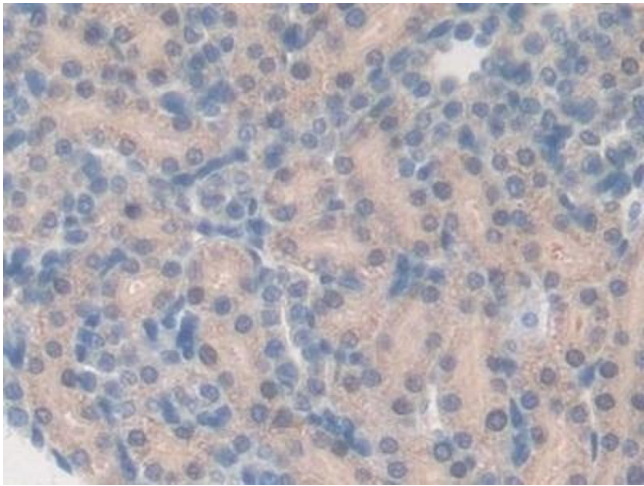
Target:	CYP27B1
Alternative Name:	Cytochrome P450 27B1 (CYP27B1 Products)
Background:	VDD1, PDDR, CYP1, P450c1, 25-Hydroxyvitamin D3 1-Alpha-Hydroxylase, Cytochrome P450 Family 27 Subfamily B Polypeptide 1, Calcidiol 1-monooxygenase, VD3 1A hydroxylase
Pathways:	Metabolism of Steroid Hormones and Vitamin D

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

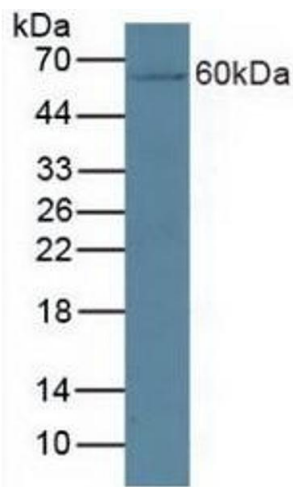
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



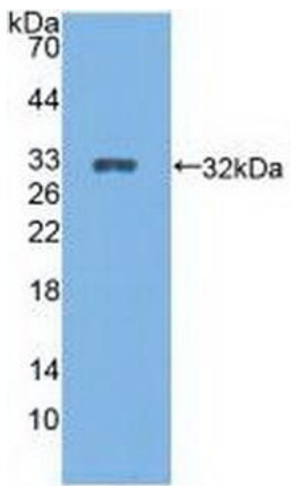
Immunohistochemistry

Image 1. Detection of CYP27B1 in Rat Kidney Tissue using Polyclonal Antibody to Cytochrome P450 27B1 (CYP27B1)



Western Blotting

Image 2. Detection of CYP27B1 in Mouse Kidney Tissue using Polyclonal Antibody to Cytochrome P450 27B1 (CYP27B1)



Western Blotting

Image 3. Detection of Recombinant CYP27B1, Rat using Polyclonal Antibody to Cytochrome P450 27B1 (CYP27B1)