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Datasheet for ABIN2783924

## anti-CYP2R1 antibody (Middle Region)

### 2 Images

#### Overview

Quantity:	100 µL
Target:	CYP2R1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Pig, Dog, Horse, Cow, Rabbit, Zebrafish (Danio rerio), Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP2R1 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CYP2R1
Sequence:	FKQLITNAVS NITNLIIFGE RFTYEDTDFQ HMIELFSENV ELAASASVFL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against CYP2R1. It was validated on Western Blot.
Purification:	Affinity Purified

#### Target Details

Target:	CYP2R1
Alternative Name:	CYP2R1 ( <a href="#">CYP2R1 Products</a> )

## Target Details

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Background:	<p>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 enzyme is a microsomal vitamin D hydroxylase that converts vitamin D into the active ligand for the vitamin D receptor. A mutation in this gene has been associated with selective 25-hydroxyvitamin D deficiency.</p> <p>Alias Symbols: MGC4663</p> <p>Protein Size: 501</p>
Molecular Weight:	57 kDa
Gene ID:	120227
NCBI Accession:	<a href="#">NM_024514</a> , <a href="#">NP_078790</a>
UniProt:	<a href="#">Q6VVX0</a>
Pathways:	<a href="#">Metabolism of Steroid Hormones and Vitamin D</a>

## Application Details

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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 501 AA
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

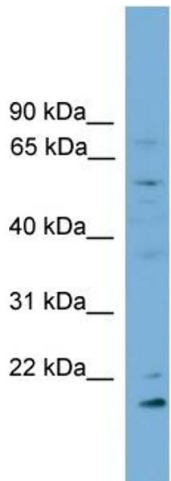
aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

**Image 1.** WB Suggested Anti-CYP2R1 Antibody Titration: 0.2-1  $\mu\text{g/ml}$  ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate



Rabbit Anti-CYP2R1 Antibody  
Catalog Number: ARP49823  
Lot Number: QC29413  
Lane: Jurkat Cell Lysate

Antibody Titration: 1.0  $\mu\text{g/ml}$   
Gel Concentration: 12%

Western Blotting

**Image 2.** WB Suggested Anti-CYP2R1 Antibody Titration: 0.2-1  $\mu\text{g/mL}$  ELISA Titer: 1:12500 Positive Control: Jurkat cell lysate