

Datasheet for ABIN2786472
anti-CYP4V2 antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µL
Target:	CYP4V2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Cow, Rabbit, Guinea Pig, Horse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP4V2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CYP4V2
Sequence:	RYFPNPEEFQ PERFFPENAQ GRHPYAYVPF SAGPRNCIGQ KFAVMEEKTI
Predicted Reactivity:	Cow: 85%, Dog: 93%, Guinea Pig: 93%, Horse: 92%, Human: 100%, Mouse: 92%, Rabbit: 100%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against CYP4V2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CYP4V2
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Target Details

Alternative Name:	CYP4V2 (CYP4V2 Products)
Background:	<p>CYP4V2 may have a role in fatty acid and steroid metabolism. This gene encodes a member of the cytochrome P450 hemethiolate protein superfamily which are involved in oxidizing various substrates in the metabolic pathway. It is implicated in the metabolism of fatty acid precursors into n-3 polyunsaturated fatty acids. Mutations in this gene result in Bietti crystalline corneoretinal dystrophy. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: BCD, CYP4AH1, MGC43534</p> <p>Protein Interaction Partner: LYN, ZNF420, SIN3A,</p> <p>Protein Size: 525</p>
Molecular Weight:	61 kDa
Gene ID:	285440
NCBI Accession:	NM_207352 , NP_997235
UniProt:	Q6ZWL3

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 525 AA
Restrictions:	For Research Use only

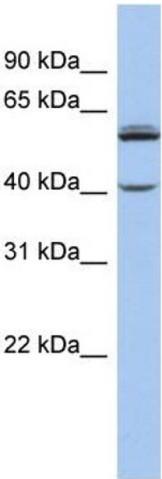
Handling

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.

Handling

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-CYP4V2 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Jurkat cell lysate