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Datasheet for ABIN2783904

anti-CYP4F12 antibody (Middle Region)

1 Image

Overview

Quantity:	100 µL
Target:	CYP4F12
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP4F12 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CYP4F12
Sequence:	DGRRFHRACR LVHDFDAVI RERRRTLPTQ GIDDFKDKA KSKTLDFIDV
Predicted Reactivity:	Cow: 79%, Human: 100%, Mouse: 85%, Pig: 79%, Rabbit: 79%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against CYP4F12. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CYP4F12
Alternative Name:	CYP4F12 (CYP4F12 Products)

Target Details

Background: CYP4F12 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 synthesis of cholesterol, steroids and other lipids. It likely localizes to the endoplasmic reticulum. When expressed in yeast the enzyme is capable of oxidizing arachidonic acid, however, its physiological function has not been determined. This gene is part of a cluster of cytochrome P450 genes on chromosome 19. Western blots using two different antibodies against two unique regions of this protein target confirm the same apparent molecular weight in our tests. 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 protein likely localizes to the endoplasmic reticulum. When expressed in yeast the enzyme is capable of oxidizing arachidonic acid, however, its physiological function has not been determined. This gene is part of a cluster of cytochrome P450 genes on chromosome 19.

Alias Symbols: F22329_1

Protein Interaction Partner: SOD2, HSPA6, UBC,

Protein Size: 524

Molecular Weight: 60 kDa

Gene ID: 66002

NCBI Accession: [NM_023944](#), [NP_076433](#)

UniProt: [Q9HCS2](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 524 AA

Restrictions: For Research Use only

Handling

Format: Liquid

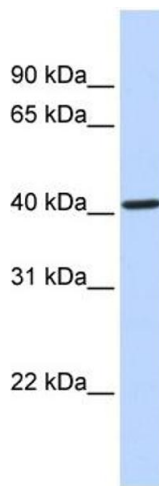
Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

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-CYP4F12 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Placenta