

Datasheet for ABIN390665  
**anti-CYP2C19 antibody (AA 257-285)**

## 3 Images

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## Overview

Quantity:	400 µL
Target:	CYP2C19
Binding Specificity:	AA 257-285
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP2C19 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This CYP2C19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 257-285 amino acids from the Central region of human CYP2C19.
Clone:	RB17002
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	CYP2C19
Alternative Name:	CYP2C19 ( <a href="#">CYP2C19 Products</a> )

## Target Details

**Background:** CYP2C19 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. This protein localizes to the endoplasmic reticulum and is known to metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, omeprazole, diazepam and some barbiturates. Polymorphism within its gene is associated with variable ability to metabolize mephenytoin, known as the poor metabolizer and extensive metabolizer phenotypes.

**Molecular Weight:** 55931

**Gene ID:** 1557

**NCBI Accession:** [NP\\_000760](#)

**UniProt:** [P33261](#)

## Application Details

**Application Notes:** WB: 1:2000. WB: 1:1000. IHC-P: 1:10~50

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

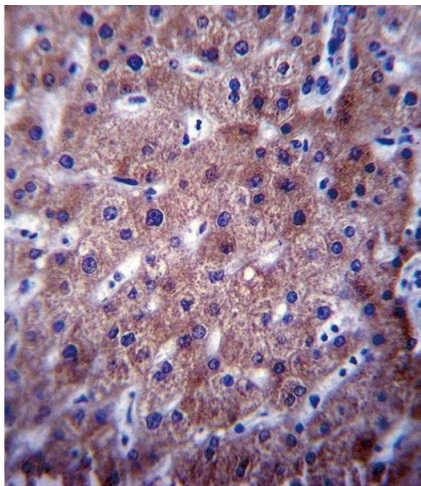
**Preservative:** Sodium azide

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

**Storage:** 4 °C, -20 °C

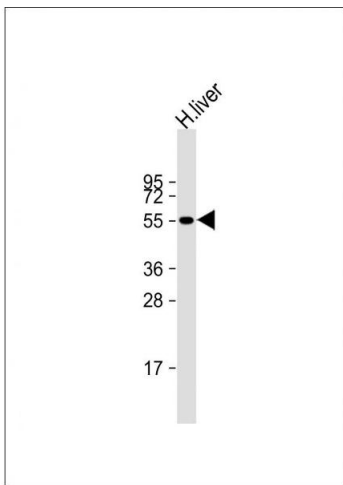
**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

**Expiry Date:** 6 months



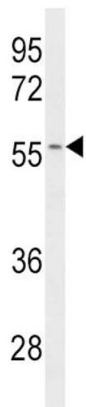
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** CYP2C19 Antibody (Center) (ABIN390665 and ABIN2840960) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CYP2C19 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



#### Western Blotting

**Image 2.** Anti-CYP2C19 Antibody (Center) at 1:2000 dilution + human liver lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 56 kDa. Blocking/Dilution buffer: 5 % NFDM/TBST.



#### Western Blotting

**Image 3.** Western blot analysis of CYP2C19 Antibody (Center) (ABIN390665 and ABIN2840960) in Jurkat cell line lysates (35 µg/lane). CYP2C19 (arrow) was detected using the purified Pab.