

Datasheet for ABIN656566

**anti-CYP2S1 antibody (C-Term)**

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## Overview

Quantity:	400 µL
Target:	CYP2S1
Binding Specificity:	AA 399-428, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This CYP2S1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 399-428 amino acids from the C-terminal region of human CYP2S1.
Clone:	RB17020
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	CYP2S1
Alternative Name:	CYP2S1 ( <a href="#">CYP2S1 Products</a> )
Background:	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in

## Target Details

drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum. In rodents, the homologous protein has been shown to metabolize certain carcinogens, however, the specific function of the human protein has not been determined.

Molecular Weight: 55817

Gene ID: 29785

NCBI Accession: [NP\\_085125](#)

UniProt: [Q96SQ9](#)

## Application Details

Application Notes: IF: 1:10~50. WB: 1:1000. 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.

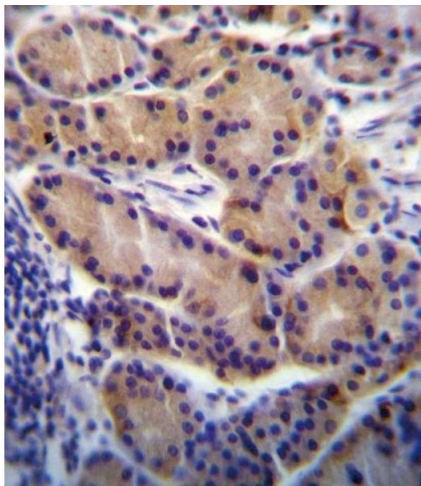
Expiry Date: 6 months

## Publications

Product cited in: Yang, Zhou, Li, Tong, Sun, Qing, Sun, Yang, Hu, Jiang, Yan, He, Wan: "Upregulation of CYP2S1 by oxaliplatin is associated with p53 status in colorectal cancer cell lines." in: **Scientific reports**, Vol. 6, pp. 33078, (2016) ([PubMed](#)).

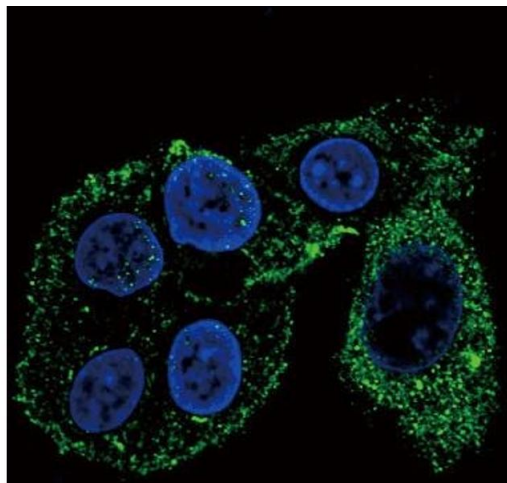
Yang, Li, Li, Tong, Hu, Yang, Yan, He, Wan: "CYP2S1 depletion enhances colorectal cell proliferation is associated with PGE2-mediated activation of  $\beta$ -catenin signaling." in:

Images



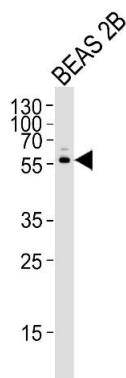
Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** CYP2S1 Antibody (C-term) (ABIN656566 and ABIN2845826) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CYP2S1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of CYP2S1 Antibody (C-term) (ABIN656566 and ABIN2845826) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Western Blotting

**Image 3.** Western blot analysis of lysate from BEAS 2B cell line, using CYP2S1 Antibody (C-term) (ABIN656566 and ABIN2845826). (ABIN656566 and ABIN2845826) was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35  $\mu$ g.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN656566.