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Datasheet for ABIN6258542

## anti-SLC27A5 antibody (Internal Region)

### 4 Images

#### Overview

Quantity:	100 µL
Target:	SLC27A5
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC27A5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

#### Product Details

Immunogen:	A synthesized peptide derived from human SLC27A5, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	SLC27A5 Antibody detects endogenous levels of total SLC27A5.
Predicted Reactivity:	Bovine,Horse
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

#### Target Details

Target:	SLC27A5
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## Target Details

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Alternative Name:	SLC27A5 ( <a href="#">SLC27A5 Products</a> )
Background:	<p>Description: Acyl-CoA synthetase involved in bile acid metabolism. Proposed to catalyze the first step in the conjugation of C24 bile acids (choloneates) to glycine and taurine before excretion into bile canaliculi by activating them to their CoA thioesters. Seems to activate secondary bile acids entering the liver from the enterohepatic circulation. In vitro, also activates 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanate (THCA), the C27 precursor of cholic acid deriving from the de novo synthesis from cholesterol.</p> <p>Gene: SLC27A5</p>
Molecular Weight:	75 kDa
Gene ID:	10998
UniProt:	<a href="#">Q9Y2P5</a>

## Application Details

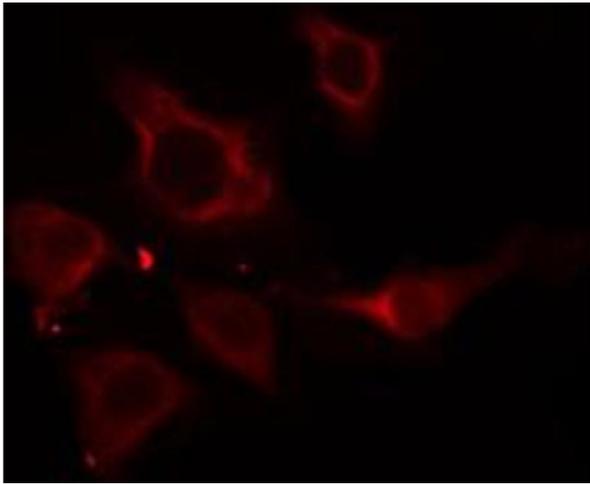
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Application Notes:	WB 1:500-1:1000, IHC: 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

## Handling

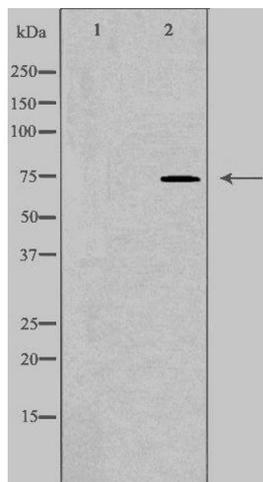
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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



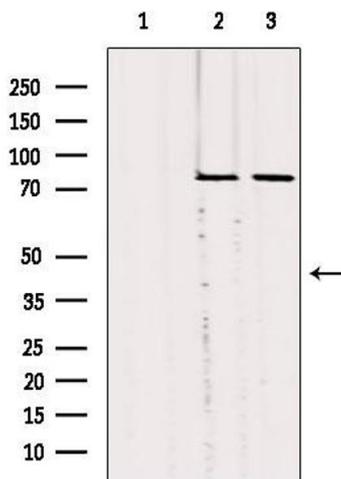
### Immunofluorescence (fixed cells)

**Image 1.** ABIN6274916 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibody.



### Western Blotting

**Image 2.** Western blot analysis of extracts from HepG2 cells, using SLC27A5 antibody. The lane on the left is treated with the antigen-specific peptide.



### Western Blotting

**Image 3.** Western blot analysis of extracts from various samples, using SLC27A5 Antibody. Lane 1: mouse brain treated with antigen-specific peptide; Lane 2: mouse brain; Lane 3: rat brain;

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6258542.