


## Product datasheet

# Anti-Sterol carrier protein 2 antibody [EPR9022] ab140126

Recombinant RabMAb

★★★★★ 1 Abreviews 6 References 5 Images

### Overview

Product name	Anti-Sterol carrier protein 2 antibody [EPR9022]
Description	Rabbit monoclonal [EPR9022] to Sterol carrier protein 2
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB, IHC-P, ICC/IF <b>Unsuitable for:</b> Flow Cyt or IP
Species reactivity	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat 
Immunogen	Synthetic peptide within Human Sterol carrier protein 2 aa 1-100 (N terminal). The exact sequence is proprietary.
Positive control	W138 and HepG2 whole cell lysate ( <a href="#">ab7900</a> ); Human placenta and Mouse liver tissues; HepG2 cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR9022
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab140126 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

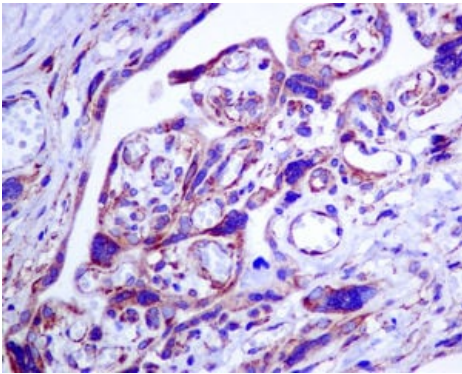
Application	Abreviews	Notes
<b>WB</b>		1/1000 - 1/10000. Predicted molecular weight: 58 kDa.
<b>IHC-P</b>		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
<b>ICC/IF</b>		1/100 - 1/250.

**Application notes** Is unsuitable for Flow Cyt or IP.

## Target

<b>Function</b>	Mediates in vitro the transfer of all common phospholipids, cholesterol and gangliosides between membranes. May play a role in regulating steroidogenesis.
<b>Tissue specificity</b>	Liver, fibroblasts, and placenta.
<b>Involvement in disease</b>	Defects in SCP2 are a cause of leukoencephalopathy with dystonia and motor neuropathy (LDMN) [MIM:613724]; also known as sterol carrier protein 2 deficiency. LDMN is a syndrome characterized by leukoencephalopathy, dystonic head tremor, spasmodic torticollis and reduced tendon reflexes in lower extremities. Additional features include hyposmia, pathologic saccadic eye movements, a slight hypoacusis, accumulation of branched-chain pristanic acid in plasma, and the presence of abnormal bile alcohol glucuronides in urine.
<b>Sequence similarities</b>	In the N-terminal section; belongs to the thiolase family. Contains 1 SCP2 domain.
<b>Cellular localization</b>	Mitochondrion; Cytoplasm. Mitochondrion. Cytoplasmic in the liver and also associated with mitochondria especially in steroidogenic tissues and Peroxisome. Interaction with PEX5 is essential for peroxisomal import.

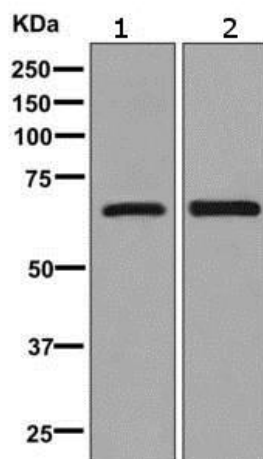
## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sterol carrier protein 2 antibody [EPR9022] (ab140126)

Immunohistochemical analysis of Paraffin-embedded Human placenta tissue labelling Sterol carrier protein 2 with ab140126 at 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-Sterol carrier protein 2 antibody [EPR9022] (ab140126)

**All lanes :** Anti-Sterol carrier protein 2 antibody [EPR9022] (ab140126) at 1/1000 dilution

**Lane 1 :** W138 cell lysate

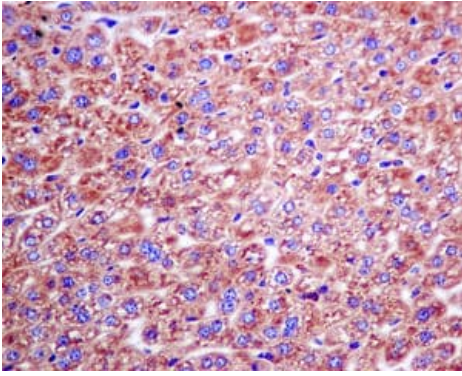
**Lane 2 :** HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** goat anti-rabbit HRP at 1/2000 dilution

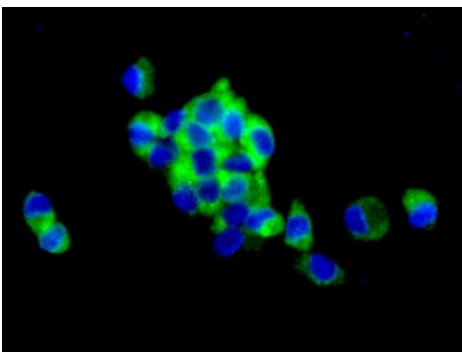
**Predicted band size:** 58 kDa



Immunohistochemical analysis of Paraffin-embedded Mouse liver tissue labelling Sterol carrier protein 2 with ab140126 at 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sterol carrier protein 2 antibody [EPR9022] (ab140126)



Immunofluorescent analysis of HepG2 cells labelling Sterol carrier protein 2 with ab140126 at 1/100 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-Sterol carrier protein 2 antibody [EPR9022] (ab140126)

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Sterol carrier protein 2 antibody [EPR9022] (ab140126)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## **Our Abpromise to you: Quality guaranteed and expert technical support**

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors