


Anti-Sterol carrier protein 2 antibody [EPR9022] - BSA and Azide free ab248889

Recombinant RabMAb

5 Images

Overview

Product name	Anti-Sterol carrier protein 2 antibody [EPR9022] - BSA and Azide free
Description	Rabbit monoclonal [EPR9022] to Sterol carrier protein 2 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab248889 is the carrier-free version of ab140126.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR9022
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab248889 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

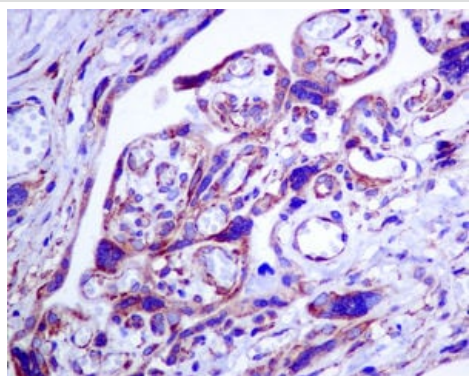
Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 58 kDa.

Application notes Is unsuitable for Flow Cyt or IP.

Target

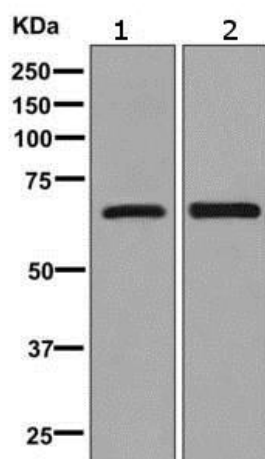
Function	Mediates in vitro the transfer of all common phospholipids, cholesterol and gangliosides between membranes. May play a role in regulating steroidogenesis.
Tissue specificity	Liver, fibroblasts, and placenta.
Involvement in disease	Defects in SCP2 are a cause of leukoencephalopathy with dystonia 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.
Sequence similarities	In the N-terminal section; belongs to the thiolase family. Contains 1 SCP2 domain.
Cellular localization	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] - BSA and Azide free (ab248889)

This data was developed using **ab140126**, the same antibody clone in a different buffer formulation. 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] - BSA and Azide free (ab248889)

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

Lane 1 : WI38 cell lysate

Lane 2 : HepG2 cell lysate

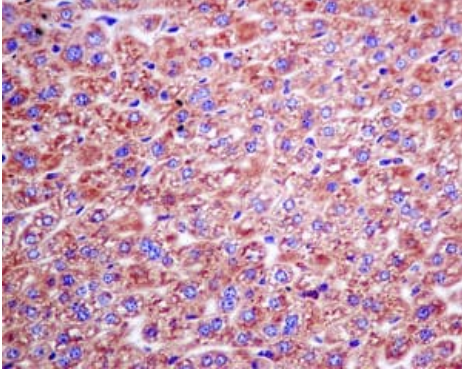
Lysates/proteins at 10 µg per lane.

Secondary

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

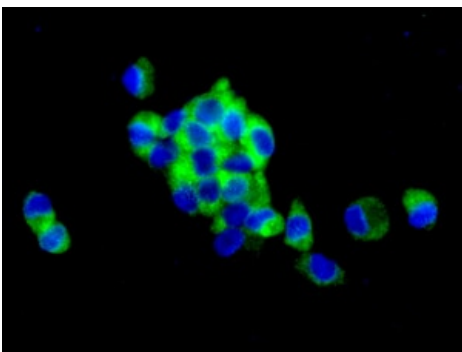
Predicted band size: 58 kDa

This data was developed using **ab140126**, the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sterol carrier protein 2 antibody [EPR9022] - BSA and Azide free (ab248889)

This data was developed using [ab140126](#), the same antibody clone in a different buffer formulation. 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.



Immunocytochemistry/ Immunofluorescence - Anti-Sterol carrier protein 2 antibody [EPR9022] - BSA and Azide free (ab248889)

This data was developed using [ab140126](#), the same antibody clone in a different buffer formulation. Immunofluorescent analysis of HepG2 cells labelling Sterol carrier protein 2 with [ab140126](#) at 1/100 dilution.

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

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BSA and Azide free (ab248889)

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

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