# Product datasheet Anti-BSEP/ABCB11 Antibody Catalog Number: PB9414

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antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.

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<b>Basic Inform</b>		
Product Name	Anti-BSEP/ABCB11 Antibody	
Gene Name	ABCB11	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, IF	
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ABCB11, different from the related mouse and rat sequences by three amino acids.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	146 kDa	
Dilution Ratios	• •	1:500-2000 1:50-400 1:50-400 te buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 /paraffin sections.) Optimal working dilutions must be

#### **Storage**

12 months from date of receipt, -20°C as supplied.

determined by end user.

### **Background Information**

Bile Salt Export Pump (BSEP) is a protein which in humans is encoded by the ABCB 11 gene. It is a member of the superfamily of ATP-binding cassette (ABC) transporters, also known as ABCB11. It is mapped to chromosome 2q24. The BSEP protein is mainly expressed in the liver. ABCB11 is a gene associated with progressive familial intrahepatic cholestasis type 2 (PFIC2) which caused by mutations in the ABCB11 gene will increases the risk of hepatocellular carcinoma in early life.

### Reference

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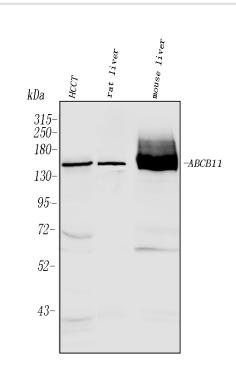
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Anti-BSEP/ABCB11 Antibody被引用在5文献中。

### **Selected Validation Data**



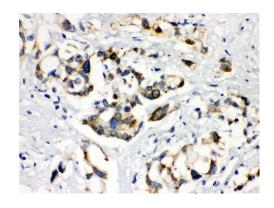
Western blot analysis of BSEP/ABCB11 using anti-BSEP/ABCB11 antibody (PB9414). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: HCCT tissue lysates,

Lane 2: rat liver tissue lysates,

Lane 3: mouse liver tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-BSEP/ABCB11 antigen affinity purified polyclonal antibody (PB9414) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for BSEP/ABCB11 at approximately 146 kDa. The expected band size for BSEP/ABCB11 is at 146 kDa.



IHC analysis of BSEP/ABCB11 using anti-BSEP/ABCB11 antibody (PB9414). BSEP/ABCB11 was detected in a paraffin-embedded section of mouse liver tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-BSEP/ABCB11 Antibody (PB9414) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.

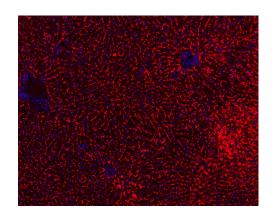
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IF analysis of ABCB11 using anti- ABCB11 antibody (PB9414)ABCB11 was detected in paraffin-embedded section of mouse liver tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution ) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/mL rabbit anti- ABCB11 Antibody (PB9414) overnight at 4°C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.