For Research Use Only

BSEP Monoclonal antibody

Catalog Number:67512-1-Ig 7 Publications

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Basic Information

Catalog Number:
67512-1-Ig

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG29135

GenBank Accession Number:
NM_003742

GeneID (NCBI):
8647

UNIPROT ID:
O95342

Full Name:
ATP-binding cassette, sub-family B (MDR/TAP), member 11

Calculated MW:
146 kDa

Observed MW:
150-160 kDa

Purification Method:
Protein G purification

CloneNo.:
3C11D5

Recommended Dilutions:
WB 1:5000-1:50000
IHC 1:8000-1:32000
IF-P 1:5000-1:20000

Applications

Tested Applications:
WB, IHC, IF-P, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
Human, Mouse , Rat, pig

Cited Species:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : LNCaP cells, unboiled HepG2 cells, rat liver tissue, mouse liver tissue, pig lung tissue, HeLa cells, A549 cells

IHC : mouse liver tissue, human cervical cancer tissue

IF-P : mouse liver tissue,

Background Information

ABCB11, also named as BSEP, belongs to the ABC transporter superfamily. ABCB11 involved in the ATP-dependent secretion of bile salts into the canaliculus of hepatocytes. Mutation of ABCB11 will cause the progressive familial intrahepatic cholestasis type 2 (PFIC2) and the benign recurrent intrahepatic cholestasis type 2 (BRIC2). Genetic variations in ABCB11 may play a role in drug-induced cholestasis causing liver damage. The calculated MW of ABCB11 is 146 kDa, 67512-1-Ig can detect bands around 150 kDa. It's reported that ABCB11 has several N-glycosylation sites, the observed higher molecular mass may due to posttranslational N-glycosylation. (PMID: 9545351, 24359682)

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Wang	39829229	Am J Chin Med	WB
Qigu Yao	39117112	J Control Release	WB
Zhenhui Chen	39013030	Gut Microbes	WB

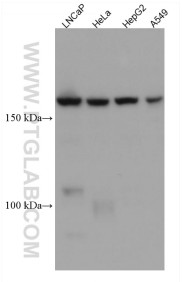
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

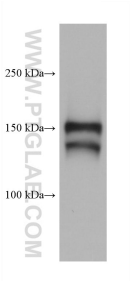
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

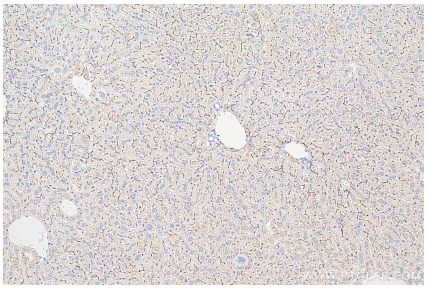
Selected Validation Data



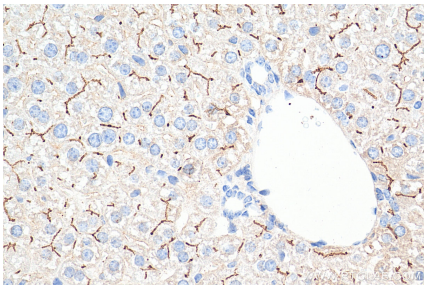
Various lysates were subjected to SDS PAGE followed by western blot with 67512-1-Ig (BSEP antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



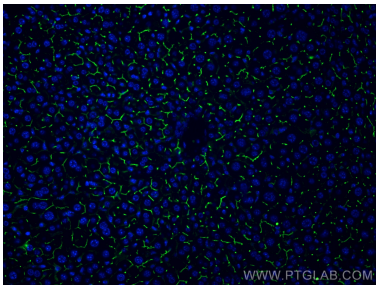
mouse liver tissue were subjected to SDS PAGE followed by western blot with 67512-1-Ig (BSEP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



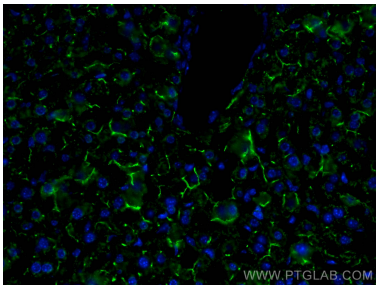
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67512-1-Ig (BSEP antibody) at dilution of 1:16000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67512-1-Ig (BSEP antibody) at dilution of 1:16000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using BSEP antibody (67512-1-Ig, Clone: 3C11D5) at dilution of 1:10000 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using BSEP antibody (67512-1-Ig, Clone: 3C11D5) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).