

For Research Use Only

BSEP Monoclonal antibody

Catalog Number: 67512-1-Ig **2 Publications**



Basic Information

Catalog Number: 67512-1-Ig	GenBank Accession Number: NM_003742	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8647	CloneNo.: 3C11D5
Source: Mouse	Full Name: ATP-binding cassette, sub-family B (MDR/TAP), member 11	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:8000-1:32000 IF 1:5000-1:20000
Isotype: IgG1	Calculated MW: 146 kDa	
Immunogen Catalog Number: AG29135	Observed MW: 150-160 kDa	

Applications

Tested Applications:
IF, IHC, WB, ELISA

Cited Applications:
IHC, WB

Species Specificity:
Human, Mouse , Rat, pig

Cited Species:
mouse

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 : mouse liver tissue,

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

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
Lichao Zhu	38158489	Appl Biochem Biotechnol	WB
Qingling Chen	37089915	Front Pharmacol	IHC

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**

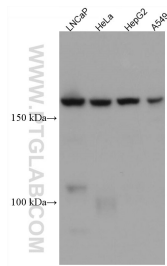
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

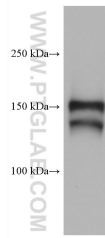
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

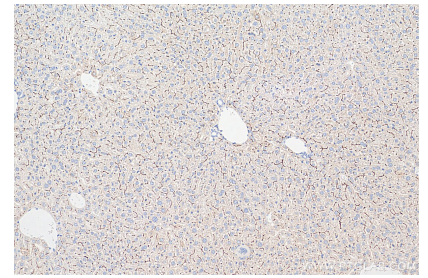
Selected Validation Data



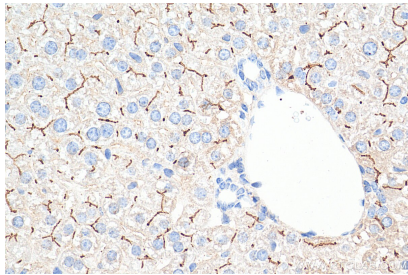
Various lysates were subjected to SDS PAGE followed by western blot with 67512-1-Ig (BSEP antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



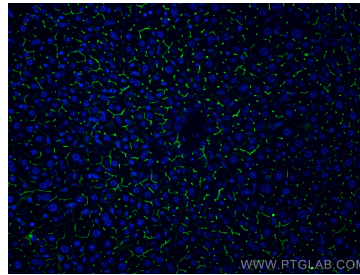
mouse liver tissue were subjected to SDS PAGE followed by western blot with 67512-1-Ig (BSEP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Mouse IgG(H+L).