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ABCBB Rabbit pAb (AR20108)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,ELISA
Isotype:	IgG
MW:	145kD (Observed)

Recommended Dilution Ratios

WB:	1:500-2000
ELISA:	1:5000-20000

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Polyclonal

Immunogen Information

Specificity	ABCBB Polyclonal Antibody detects endogenous levels of protein

Target Information

Gene name	ABCB11 BSEP
Protein Name	Bile salt export pump (ATP-binding cassette sub-family B member 11)

Organism	Gene ID	UniProt ID
Human	8647	O95342
Mouse		Q9QY30
Rat		O70127

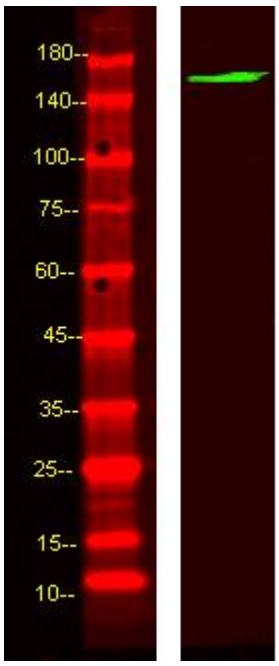
Cellular Localization	Apical cell membrane ; Multi-pass membrane protein . Recycling endosome membrane ; Multi-pass membrane protein . Endosome . Cell membrane ; Multi-pass membrane protein . Internalized at the canalicular membrane through interaction with the adapter protein complex 2 (AP-2) (PubMed:22262466). At steady state, localizes in the canalicular membrane but is also present in recycling

endosomes. ABCB11 constantly and rapidly exchanges between the two sites through tubulo-vesicles carriers that move along microtubules. Microtubule-dependent trafficking of ABCB11 is enhanced by taurocholate and cAMP and regulated by STK11 through a PKA-mediated pathway. Trafficking of newly synthesized ABCB11 through endosomal compartment to the bile canalicular membrane is accelerated by cAMP but not by taurocholate (By similarity). Cell membrane expression is up-regulated by short- and medium-chain fatty acids (PubMed:20398791).

Tissue specificity

Expressed predominantly, if not exclusively in the liver, where it was further localized to the canalicular microvilli and to subcanalicular vesicles of the hepatocytes by in situ.

Validation Data



Western Blot analysis of Hela and mouse brain lysis, using primary antibody at 1:1000 dilution. Secondary antibody was diluted at 1:10000

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