

## Rabbit Bile salt export pump (ABCB11) ELISA Kit

Catalog No: #EK7616



Package Size: #EK7616-1 48T #EK7616-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Rabbit Bile salt export pump (ABCB11) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rabbit ( <i>Oryctolagus cuniculus</i> )
Other Names	ABC16; BRIC2; BSEP; PFIC-2; PFIC2; PGY4; SPGP; ABC member 16; MDR/TAP subfamily bile salt export pump progressive familial intrahepatic cholestasis 2 sister p-glycoprotein
Accession No.	Q9N0V3
Uniprot	Q9N0V3
GenID	100008767;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.  The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:14.8 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate ABCB11 in samples. An antibody specific for ABCB11 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyABCB11 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCB11 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ABCB11 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**ABCB11 is an ABC transporter named BSEP (Bile Salt Export Pump), or sPgp (sister of P-glycoprotein). This membrane-associated protein is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White).This protein is a member of the MDR/TAP subfamily. Some members of the MDR/TAP subfamily are involved in multidrug resistance. This particular protein is responsible for the transport of taurocholate and other cholate conjugates from hepatocytes (liver cells) to the bile. In humans, the activity of this transporter is the major determinant of bile formation and bile flow.

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Note: This product is for in vitro research use only