

For Research Use Only

ABCC6 Polyclonal antibody

Catalog Number: 27848-1-AP **4 Publications**



Basic Information

Catalog Number: 27848-1-AP	GenBank Accession Number: BC131732	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 368	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: ATP-binding cassette, sub-family C (CFTR/MRP), member 6	
Isotype: IgG	Calculated MW: 1503 aa, 165 kDa	
Immunogen Catalog Number: AG18640	Observed MW: 165 kDa and 96 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB: mouse liver tissue,
Species Specificity: Human, Mouse	IHC: mouse liver tissue,
Cited Species: human	

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

The ATP-binding cassette transporter 6 (ABCC6) gene, also named as MRP6, is a cellular transmembrane protein transporter and belongs to ATP-binding cassette (ABC) family. ABCC6 is an ATP-dependent transporter contains two ATP-binding domains. It is mainly found in the liver, the proximal tubules of the kidneys and the intestines. ABCC6 is involved in a pathway of extracellular nucleotide metabolism and the regulation of tissue calcification. Mutations of ABCC6 leads to pseudoxanthoma elasticum (PXE) which is a rare autosomal recessive disorder. Mutations of ABCC6 can also lead generalized arterial calcification of infancy-2 (GACI2). 27848-1-AP detects two isoforms of ABCC6 protein around 165 kDa and 96 kDa in SDS-PAGE. (PMID:28891970, 29709427, 29662086, 15888484)

Notable Publications

Author	Pubmed ID	Journal	Application
Hao Wang	31289473	Oncol Lett	WB
Bowen Li	35387434	Front Cardiovasc Med	IF
Xin Zhou	35342392	Front Genet	IHC

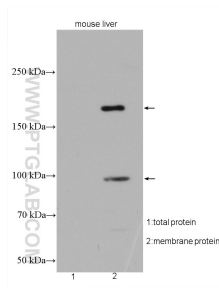
Storage

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

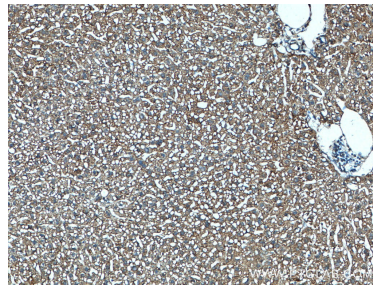
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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 27848-1-AP (ABCC6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 27848-1-AP (ABCC6 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).