

# ABCC6 Polyclonal antibody

Catalog Number: 27848-1-AP

5 Publications

## Basic Information

## Catalog Number:

27848-1-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG18640

## GenBank Accession Number:

BC131732

## GeneID (NCBI):

368

## UNIPROT ID:

O95255

## Full Name:

ATP-binding cassette, sub-family C  
(CFTR/MRP), member 6

## Calculated MW:

1503 aa, 165 kDa

## Observed MW:

165 kDa and 96 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

## Tested Applications:

IHC, WB, ELISA

## Cited Applications:

IF, IHC, WB

## Species Specificity:

Human, Mouse

## Cited Species:

human

## Positive Controls:

WB: mouse liver tissue,

IHC: 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

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
Yuan Liu	36497052	Cells	WB, IHC, IF
Hao Wang	31289473	Oncol Lett	WB
Bowen Li	35387434	Front Cardiovasc Med	IF

## 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

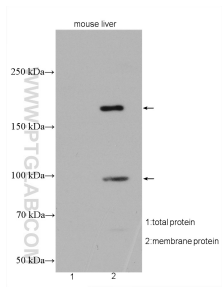
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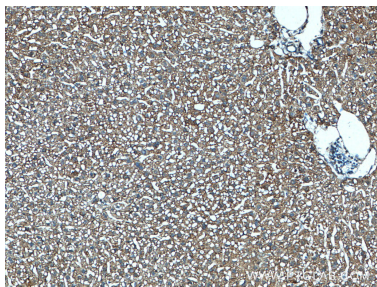
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# Selected Validation Data



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).