

For Research Use Only

# SLCO2B1 Polyclonal antibody

Catalog Number: 55180-1-AP



## Basic Information

### Catalog Number:

55180-1-AP

### Size:

450 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_007256

### GeneID (NCBI):

11309

### UNIPROT ID:

O94956

### Full Name:

solute carrier organic anion transporter family, member 2B1

### Calculated MW:

77 kDa

### Observed MW:

61~74 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Species Specificity:

human, mouse

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

### Positive Controls:

WB : MCF-7 cells, HepG2 cells, BV-2 cells

IHC : human liver tissue,

IF/ICC : HepG2 cells,

## Background Information

Solute carrier organic anion (SLCO) gene families encode organic anion transport proteins (OATP), which are membrane transporters widely expressed in the human body that influx numerous compounds and drugs including androgens. SLCO2B1 is a member of an organic anion transporter family and has previously been shown to transport a multitude of drugs and steroid hormone conjugates (PMID: 35714613). High expression of SLCO2B1 is known to associate with the resistance to androgen deprivation therapy in prostate cancer (PMID: 29581838).

## 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

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

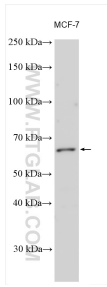
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

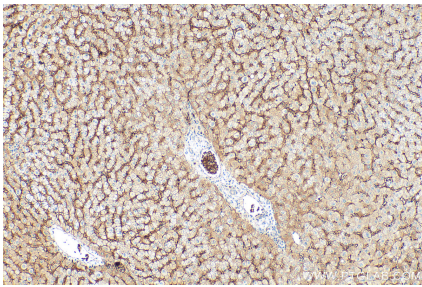
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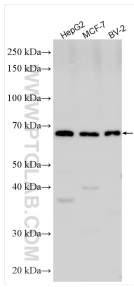
Selected Validation Data



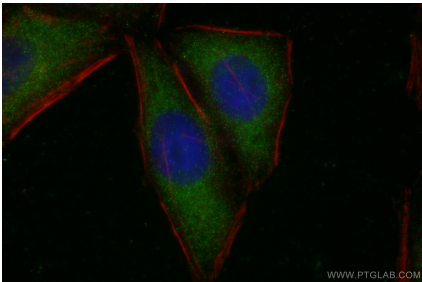
Various lysates were subjected to SDS PAGE followed by western blot with 55180-1-AP (SLCO2B1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 55180-1-AP (SLCO2B1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 55180-1-AP (SLCO2B1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SLCO2B1 antibody (55180-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).