

For Research Use Only

SLCO1B3/OATP1B3 Monoclonal antibody

Catalog Number: 66381-1-Ig **7 Publications**



Basic Information

Catalog Number: 66381-1-Ig	GenBank Accession Number: BC105597	Purification Method: Protein G purification
Source: Mouse	GeneID (NCBI): 28234	CloneNo.: 1D9A4
Isotype: IgG1	UNIPROT ID: Q9NPD5	Recommended Dilutions: WB: 1:1000-1:8000 IHC: 1:50-1:500 IF/ICC: 1:400-1:1600
Immunogen Catalog Number: AG19033	Full Name: solute carrier organic anion transporter family, member 1B3	
	Calculated MW: 702 aa, 77 kDa	
	Observed MW: 68-77 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	WB : HepG2 cells, L02 cells, SMMC-7721 cells, COLO 320 cells, Caco-2 cells, SW 1990 cells, BxPC-3 cells, PC-3 cells
Species Specificity: human	IHC : human liver cancer tissue,
Cited Species: human	IF/ICC : HepG2 cells,
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

SLCO1B3, also known as OATP8 or OATP1B3, is a member of Organic Anion Transporting Polypeptides (OATPs) which are sodium-independent organic anion transporters mediating the uptake of a wide range of structurally diverse endogenous and exogenous compounds including bile acids, hormone conjugates, peptides, toxins, as well as a multitude of therapeutic drugs. SLCO1B3 is specifically expressed in liver under normal condition, while its expression has also been observed in cancer tissues like colon, prostate and pancreas. It corresponds to Oatp1b2 in mice, with the gene symbol Slco1b2. The mouse genome encodes only a single transporter gene in the OATP1B subfamily, because SLCO1B1 and SLCO1B3 arose in primates by gene duplication after divergence from rodents. The molecular mass of SLCO1B3 is highly dependent on the glycosylation modification (deglycosylated form of 65 kDa, fully-glycosylated form of 120 kDa).

Notable Publications

Author	Pubmed ID	Journal	Application
Lianghui Zhi	34526411	Aging (Albany NY)	WB
Fayou Yang	30584236	Sci Rep	WB
Bo Jiang	40619304	J Integr Med	WB

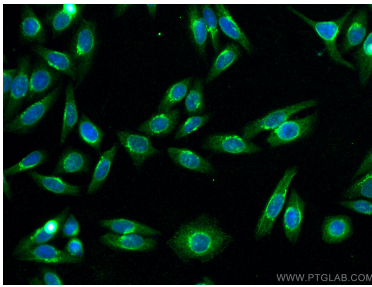
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

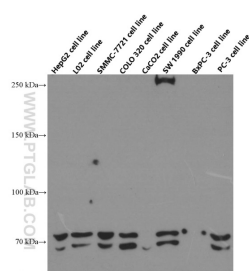
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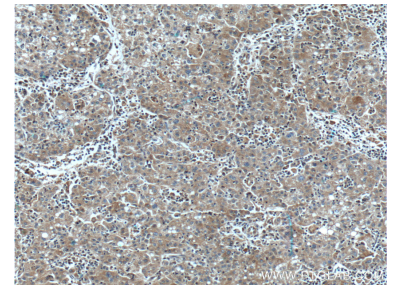
Selected Validation Data



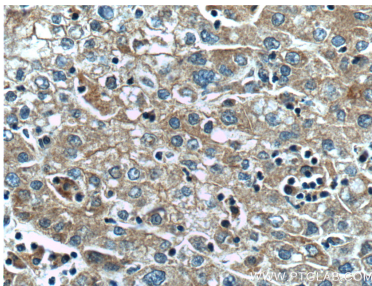
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SLCO1B3/OATP1B3 antibody (66381-1-Ig, Clone: 1D9A4) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Western blot analysis of SLCO1B3/OATP1B3 in various cell lines using Proteintech antibody 66381-1-Ig at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66381-1-Ig (SLCO1B3/OATP1B3 antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66381-1-Ig (SLCO1B3 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).