SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-SLCO1C1 antibody

Catalog Number: SL11436R

FOR RESEARCH USE ONLY

[DATASHEET]

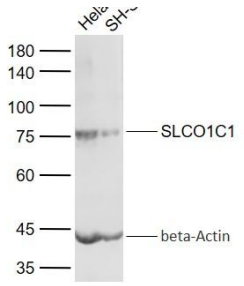
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	SLCO1C1
Immunogen:	KLH conjugated synthetic peptide derived from human SLCO1C1/OATP-F: 401-500/712 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, (predicted: Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	79kDa
Subcellular Location:	The cell membrane
Background:	The organic anion transporter family of proteins mediate hepatic uptake of cardiac glycosides. OATP-F is a 712 amino acid member of the organic anion transporter protein family. As a multi-pass membrane protein, OATP-F mediates the Na+-independent, high affinity transport of the thyroid hormones thyroxine (T4) and rT3 and other organic anions. OATP-F is also thought to transport estrone-3-sulfate and sulfobromophthalein (BSP), triiodothyronine (T3) and 17-beta-glucuronosyl estradiol at a much lower efficiency. OATP-F is expressed highly in Leydig cells in testis and in brain. **Function:** SLCO1C1 is a member of the organic anion transporter family. SLCO1C1 is a transmembrane receptor that mediates the sodium-independent uptake of thyroid hormones in brain tissues. This protein has particularly high affinity for the thyroid hormones thyroxine, tri-iodothyronine and reverse tri-iodothyronine. Polymorphisms in the gene encoding this protein may be associated with fatigue and depression in patients suffering from

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	hyperthyroidism. Alternative splicing results in multiple transcript variants which produce 5 distinct proteins. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. Note=Expressed in both luminal and abluminal membranes of brain capillary endothelial cells. Localized to the apical membrane and basal surfaces of choroid plexus **Tissue Specificity:** Highly expressed in brain and in Leydig cells in testis. Detected in many brain regions with the exception of pons and cerebellum. Not strongly enriched in cerebral microvessels. **Similarity:** Belongs to the organo anion transporter (TC 2.A.60) family. Contains 1 Kazal-like domain. **Database links:** **Entrez Gene:** 518047 Cow **Entrez Gene:** 53919 Human **Entrez Gene:** 58807 Mouse **Entrez Gene:** 84511 Rat Omim: 613389 Human **SwissProt:** Q9NYB5 Human **SwissProt:** Q9ERB5 Mouse **SwissProt:** Q9EPZ7 Rat **Unigene:** 47261 Human **Unigene:** 284495 Mouse **Unigene:** 45744 Rat

[VALIDATION IMAGES]



Sample:
Lane 1: Hela (Human) Cell Lysate at 30 ug
Lane 2: SH-SY5Y (Human) Cell Lysate at 30 ug
Primary:
Anti- SLCO1C1 (SL11436R) at 1/1000 dilution
Anti-beta-Actin (SL0061R) at 1/2000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 79 kD
Observed band size: 76 kD

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