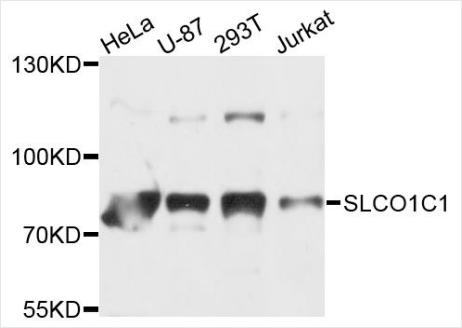
SLCO1C1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLCO1C1, Polyclonal Antibody
Full Product Name	SLCO1C1 Polyclonal Antibody
Product Gene Name	anti-SLCO1C1 antibody
Product Synonym Names	OATP1; OATPF; OATP-F; OATP14; OATP1C1; OATPRP5; SLC21A14
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated MW: 79kDa Molecular Weight: 712
OMIM	613389
3D Structure	ModBase 3D Structure for Q9NYB5
Immunogen	Recombinant protein of human SLCO1C1
Product Categories/Family for anti-SLCO1C1 antibody	Polyclonal
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLCO1C1 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-SLCO1C1 antibody	WB: 1:200 - 1:2000, IP: 1:20 - 1:50
Related Product Information for anti-SLCO1C1 antibody	This gene encodes a member of the organic anion transporter family. The encoded protein 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 hyperthyroidism. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-SLCO1C1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SLCO1C1 purchase	MBS9130528 is an antibody targeting SLCO1C1. Also known as SLCO1C1 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SLCO1C1 antibody
Western blot analysis of extracts of various cell lines, using SLCO1C1 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 5s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLCO1C1. It may not necessarily be applicable to this product.

NCBI GI #	225543114
NCBI GeneID	53919
NCBI Accession #	NP_001139416.1
UniProt Primary Accession #	Q9NYB5
UniProt Secondary Accession #	Q5JPA4; B7Z251; B7Z3Q3; B7Z8P1; F5GZD6
UniProt Related Accession #	Q9NYB5
GenBank Nucleotide #	NM_001145944.1
NCBI Official Full Name	solute carrier organic anion transporter family member 1C1 isoform 4
NCBI Official Synonym Full Names	solute carrier organic anion transporter family member 1C1
NCBI Official Symbol	SLCO1C1
NCBI Official Synonym Symbols	OATP1; OATPF; OATP-F; OATP14; OATP1C1; OATPRP5; SLC21A14
UniProt Protein Name	Solute carrier organic anion transporter family member 1C1
UniProt Synonym Protein Names	Organic anion transporter F; OATP-F; Organic anion transporter polypeptide-related protein 5; OAT-RP-5; OATPRP5; Organic anion-transporting polypeptide 14; OATP-14; Solute carrier family 21 member 14; Thyroxine transporter
Protein Family	Solute carrier organic anion transporter family
UniProt Gene Name	SLCO1C1
UniProt Synonym Gene Names	OATP14; OATP1C1; OATPF; SLC21A14; OATP-F; OAT-RP-5; OATPRP5; OATP-14
UniProt Entry Name	SO1C1_HUMAN
NCBI Protein Information	solute carrier organic anion transporter family member 1C1

UniProt Comments for SLCO1C1	SLCO1C1: Mediates the Na(+)-independent high affinity transport of organic anions such as the thyroid hormones thyroxine (T4) and rT3. Other potential substrates, such as triiodothyronine (T3), 17-beta-glucuronosyl estradiol, estrone-3-sulfate and sulfobromophthalein (BSP) are transported with much lower efficiency. May play a signifiant role in regulating T4 flux into and out of the brain. Belongs to the organo anion transporter (TC 2.A.60) family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transporter; Transporter, SLC family; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 12p12.2 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: bile acid transmembrane transporter activity; sodium-independent organic anion transmembrane transporter activity; thyroid hormone transmembrane transporter activity Biological Process: bile acid and bile salt transport; bile acid metabolic process; sodium-independent organic anion transport; transmembrane transport
Research Articles on SLCO1C1	**1.** The PDE3A-SLCO1C1 locus rs3794271 SNP showed a highly significant association with anti-TNF treatment response.
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