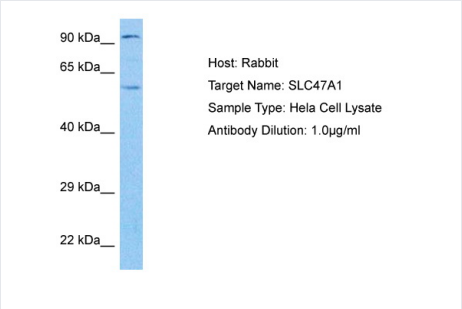
SLC47A1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC47A1, Polyclonal Antibody
Full Product Name	SLC47A1 Antibody - N-terminal region
Product Gene Name	anti-SLC47A1 antibody
Product Synonym Gene Name	MATE1
Immunogen Sequence	Synthetic peptide located within the following region: MEAPEEPAPV RGGPEATLEV RGSRCLRLSA FREELRALLV LAGPAFLVQL
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	SLC47A1 peptide (MBS3245843) is used for blocking the activity of SLC47A1 antibody (MBS3221052)
Molecular Weight	62 kDa
OMIM	609832
3D Structure	ModBase 3D Structure for Q96FL8
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SLC47A1
Product Categories/Family for anti-SLC47A1 antibody	Polyclonal; Chromatin & Nuclear Signaling
Applications Tested/Suitable for anti-SLC47A1 antibody	Western Blot (WB)
Related Product Information for anti-SLC47A1 antibody	This gene is located within the Smith-Magenis syndrome region on chromosome 17. It encodes a protein of unknown function.
Other Notes	Small volumes of anti-SLC47A1 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 SLC47A1 purchase	MBS3221052 is an antibody targeting SLC47A1. Also known as SLC47A1 Antibody - N-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SLC47A1 antibody
Host: RabbitTarget Name: SLC47A1Sample Tissue: Human Hela Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC47A1. It may not necessarily be applicable to this product.

NCBI GI #	22907060
NCBI GeneID	55244
NCBI Accession #	NP_060712.2
UniProt Primary Accession #	Q96FL8
UniProt Related Accession #	Q96FL8
GenBank Nucleotide #	NM_018242.2
NCBI Official Full Name	multidrug and toxin extrusion protein 1
NCBI Official Synonym Full Names	solute carrier family 47 member 1
NCBI Official Symbol	SLC47A1
NCBI Official Synonym Symbols	MATE1
UniProt Protein Name	Multidrug and toxin extrusion protein 1
UniProt Synonym Protein Names	Solute carrier family 47 member 1
Protein Family	Multidrug and toxin extrusion protein
UniProt Gene Name	SLC47A1
UniProt Synonym Gene Names	MATE1; MATE-1; hMATE-1
UniProt Entry Name	S47A1_HUMAN
NCBI Protein Information	multidrug and toxin extrusion protein 1

UniProt Comments for SLC47A1	SLC47A1: Solute transporter for tetraethylammonium (TEA), 1- methyl-4-phenylpyridinium (MPP), cimetidine, N-methylnicotinamide (NMN), metformin, creatinine, guanidine, procainamide, topotecan, estrone sulfate, acyclovir, ganciclovir and also the zwitterionic cephalosporin, cephalexin and cephradin. Seems to also play a role in the uptake of oxaliplatin (a new platinum anticancer agent). Able to transport paraquat (PQ or N,N-dimethyl-4-4'-bipiridinium); a widely used herbicid. Responsible for the secretion of cationic drugs across the brush border membranes. Belongs to the multi antimicrobial extrusion (MATE) (TC 2.A.66.1) family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Transporter, SLC family; Membrane protein, integral; Transporter Chromosomal Location of Human Ortholog: 17p11.2 Cellular Component: integral to membrane; plasma membrane Molecular Function: drug transporter activity; monovalent cation:proton antiporter activity Biological Process: multidrug transport; organic cation transport; transmembrane transport
Research Articles on SLC47A1	**1.** genetic association studies in population in China: Data confirm that an SNP in an intron of SLC47A1 (rs2289669) is associated with hypoglycemic response to metformin in patients with newly diagnosed type 2 diabetes; differential increases in basal GLP1 plasma levels are also related to this SNP. (SLC47A1 = solute carrier family 47 member 1; GLP1 = glucagon-like peptide-1)
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