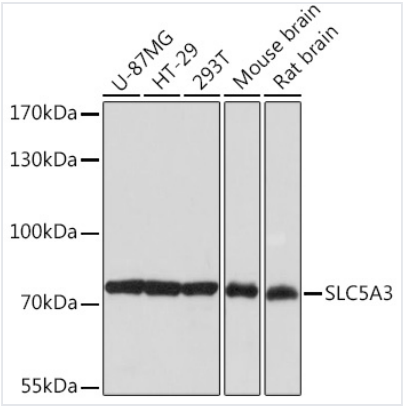
SLC5A3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC5A3, Polyclonal Antibody
Full Product Name	SLC5A3 Rabbit pAb
Product Gene Name	anti-SLC5A3 antibody
Product Synonym Names	BCW2; SMIT; SMIT1; SMIT2; SLC5A3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.|Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.
Molecular Weight	79,694 Da
Chromosome Location	Chromosome: 21; NC_000021.8 (35445870..35478561). Location: 21q22.12
OMIM	600444
3D Structure	ModBase 3D Structure for P53794
Immunogen	Recombinant protein of human SLC5A3.
Positive Samples	U-87MG, HT-29, 293T, Mouse brain, Rat brain
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC5A3 antibody	Western Blot (WB)
Application Notes for anti-SLC5A3 antibody	WB: 1:500-1:2000
Related Product Information for anti-SLC5A3 antibody	MBS9143292 is an antibody targeting SLC5A3. Also known as SLC5A3 Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-SLC5A3 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.



Western Blot (WB) of anti-SLC5A3 antibody
Western blot analysis of extracts of various cell lines, using SLC5A3 Rabbit pAb at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 5s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC5A3. It may not necessarily be applicable to this product.

NCBI GI #	110835708
NCBI GeneID	6526
NCBI Accession #	NP_008864.3
UniProt Primary Accession #	P53794
UniProt Secondary Accession #	O43489
UniProt Related Accession #	P53794
GenBank Nucleotide #	NM_006933.4
NCBI Official Full Name	sodium/myo-inositol cotransporter
NCBI Official Synonym Full Names	solute carrier family 5 (sodium/myo-inositol cotransporter), member 3
NCBI Official Symbol	SLC5A3
NCBI Official Synonym Symbols	SMIT; SMIT1; SMIT2
UniProt Protein Name	Sodium/myo-inositol cotransporter
UniProt Synonym Protein Names	Sodium/myo-inositol transporter 1; SMIT1; Solute carrier family 5 member 3
Protein Family	Sodium/myo-inositol cotransporter
UniProt Gene Name	SLC5A3
UniProt Synonym Gene Names	Na(+)/myo-inositol cotransporter; SMIT1
UniProt Entry Name	SC5A3_HUMAN
NCBI Protein Information	sodium/myo-inositol cotransporter; BCW2 protein; Na(+)/myo-inositol cotransporter; solute carrier family 5 member 3; sodium/myo-inositol transporter 1; sodium/myo-inositol cotransporter 1; solute carrier family 5 (inositol transporter), member 3; solute c

UniProt Comments for SLC5A3	SLC5A3: a sodium/myo-inositol cotransporter. An integral membrane protein. Prevents intracellular accumulation of high concentrations of myo-inositol (an osmolyte) that result in impairment of cellular function. Belongs to the sodium:solute symporter (SSF) family. Protein type: Membrane protein, integral; Membrane protein, multi-pass; Transporter, SLC family; Transporter Chromosomal Location of Human Ortholog: 21q22.12 Cellular Component: integral to plasma membrane; integral to membrane; plasma membrane Molecular Function: myo-inositol:sodium symporter activity Biological Process: regulation of respiratory gaseous exchange; transport; inositol metabolic process; myo-inositol transport; sodium ion transport; transmembrane transport; peripheral nervous system development
Research Articles on SLC5A3	**1.** JAK2 contributes to the regulation of the myoinositol transporter SMIT.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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