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SLC7A2 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP11660b

Specification

SLC7A2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession P52569

SLC7A2 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 6542

Other Names
Cationic amino acid transporter 2, CAT-2, CAT2, Low affinity cationic amino acid transporter 2, Solute carrier family 7 member 2, SLC7A2, ATRC2, CAT2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SLC7A2 Antibody (C-term) Blocking peptide - Protein Information

Name SLC7A2 (HGNC:11060)

Function
Functions as a permease involved in the transport of the cationic amino acids (L-arginine, L-lysine, L-ornithine and L- homoarginine); the affinity for its substrates differs between isoforms created by alternative splicing (PubMed:9174363, PubMed:28684763). May play a role in classical or alternative activation of macrophages via its role in arginine transport (By similarity).

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
Expressed at high levels in the skeletal muscle, placenta and ovary. Expressed at intermediate levels in the liver and pancreas and at low levels in the kidney and heart

SLC7A2 Antibody (C-term) Blocking peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SLC7A2 Antibody (C-term) Blocking peptide - Images

SLC7A2 Antibody (C-term) Blocking peptide - Background

Low-affinity, high capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine). Plays a regulatory role in classical or alternative activation of macrophages (By similarity).

SLC7A2 Antibody (C-term) Blocking peptide - References

Chaturvedi, R., et al. Gastroenterology 139(5):1686-1698(2010)Visigalli, R., et al. J. Mol. Cell. Cardiol. 49(2):260-270(2010)Yokoyama, K., et al. Nephron Clin Pract 115 (4), C237-C243 (2010) :Jaeger, K., et al. Histochem. Cell Biol. 129(3):321-329(2008)Broer, S. Physiol. Rev. 88(1):249-286(2008)