10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

SLC39A7 Antibody(Center) Blocking Peptide

Synthetic peptide
Catalog # BP16569c

Specification

SLC39A7 Antibody(Center) Blocking Peptide - Product Information

Primary Accession Q92504

SLC39A7 Antibody(Center) Blocking Peptide - Additional Information

Gene ID 7922

Other Names
Zinc transporter SLC39A7, Histidine-rich membrane protein Ke4, Really interesting new gene 5 protein, Solute carrier family 39 member 7, Zrt-, Irt-like protein 7, ZIP7, SLC39A7, HKE4, RING5

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.

SLC39A7 Antibody(Center) Blocking Peptide - Protein Information

Name SLC39A7

Synonyms HKE4 {ECO:0000303|PubMed:14525538}, RING

Function
Zinc transporter, that transports Zn(2+) from the endoplasmic reticulum/Golgi apparatus to the cytosol. Transport is stimulated by growth factors, such as EGF,

SLC39A7 Antibody(Center) Blocking Peptide - Background

Zinc is an essential cofactor for more than 50 classes ofenzymes. It is involved in protein, nucleic acid, carbohydrate, andlipid metabolism, as well as in the control of gene transcription,growth, development, and differentiation. Zinc cannot passivelydiffuse across cell membranes and requires specific transporters,such as SLC39A7, to enter the cytosol from both the extracellularenvironment and from intracellular storage compartments.[suppliedby OMIM].

SLC39A7 Antibody(Center) Blocking Peptide - References

Ucisik-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010)Bailey, S.D., et al. Diabetes Care (2010) In press :Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :

and Ca(2+), as well as by exogenous Zn(2+).

Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus, cis-Golgi network membrane; Multi-pass membrane protein

Tissue Location
Widely expressed.

SLC39A7 Antibody(Center) Blocking Peptide - Protocols

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

- Blocking Peptides