

# SLC7A13 Antibody (Center) Blocking peptide

Synthetic peptide Catalog # BP10029c

### **Specification**

## SLC7A13 Antibody (Center) Blocking peptide - Product Information

Primary Accession <u>Q8TCU3</u>
Other Accession <u>NP\_620172.2</u>

## SLC7A13 Antibody (Center) Blocking peptide - Additional Information

Gene ID 157724

#### **Other Names**

Solute carrier family 7 member 13, Sodium-independent aspartate/glutamate transporter 1, X-amino acid transporter 2, SLC7A13, AGT1, XAT2

#### **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.

## SLC7A13 Antibody (Center) Blocking peptide - Protein Information

Name SLC7A13

Synonyms AGT1, XAT2

## **Function**

Associates with SLC3A1/rBAT to form a functional heterodimeric complex that transports anionic and neutral amino acids across the apical plasma membrane of renal epithelium. Preferentially mediates exchange transport, but can also operate via facilitated diffusion. May act as a major transporter for L-cystine in late proximal tubules, ensuring its reabsorption from the luminal fluid in exchange for cytosolic L-glutamate or L-aspartate.

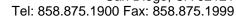
#### **Cellular Location**

Apical cell membrane {ECO:0000250|UniProtKB:Q91WN3}; Multi-pass membrane protein

#### **Tissue Location**

Expressed in the kidney.







# SLC7A13 Antibody (Center) Blocking peptide - Protocols

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

• Blocking Peptides

SLC7A13 Antibody (Center) Blocking peptide - Images