

**SLC25A18 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16852b****Specification**

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**SLC25A18 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q9H1K4](#)

**SLC25A18 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 83733

**Other Names**

Mitochondrial glutamate carrier 2, GC-2, Glutamate/H(+) symporter 2, Solute carrier family 25 member 18, SLC25A18, GC2

**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.

**SLC25A18 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** SLC25A18 ([HGNC:10988](#))

**Synonyms** GC2

**Function**

Responsible for the transport of glutamate from the cytosol into the mitochondrial matrix with the concomitant import of a proton (symport system).

**Cellular Location**

Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q505J6}; Multi-pass membrane protein

**Tissue Location**

Expressed in brain, to a lesser extent in testis, and poorly in all the other tissues.

**SLC25A18 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **SLC25A18 Antibody (C-term) Blocking Peptide - Images**

### **SLC25A18 Antibody (C-term) Blocking Peptide - Background**

SLC25A18 is involved in the transport of glutamate across the inner mitochondrial membrane. Glutamate is cotransported with H(+).

### **SLC25A18 Antibody (C-term) Blocking Peptide - References**

Collins, J.E., et al. Genome Biol. 5 (10), R84 (2004) :Fiermonte, G., et al. J. Biol. Chem. 277(22):19289-19294(2002)Palmieri, L., et al. EMBO J. 20(18):5060-5069(2001)Footz, T.K., et al. Genome Res. 11(6):1053-1070(2001)