

**SPG7 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12476c****Specification**

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**SPG7 Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q9UQ90](#)**SPG7 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 6687**Other Names**

Paraplegin, 3424-, Spastic paraplegia 7 protein, SPG7, CAR, CMAR, PGN

**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.

**SPG7 Antibody (Center) Blocking peptide - Protein Information****Name** SPG7 ([HGNC:11237](#))**Function**ATP-dependent zinc metalloprotease. Plays a role in the formation and regulation of the mitochondrial permeability transition pore (mPTP) and its proteolytic activity is dispensable for this function (PubMed: <http://www.uniprot.org/citations/26387735> target="\_blank">26387735</a>).**Cellular Location**

Mitochondrion inner membrane; Multi-pass membrane protein

**Tissue Location**

Ubiquitous.

**SPG7 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**SPG7 Antibody (Center) Blocking peptide - Images****SPG7 Antibody (Center) Blocking peptide - Background**

This gene encodes a nuclear-encoded mitochondrial metalloprotease protein that is a member of the AAA (ATPases associated with a variety of cellular activities) protein family. Members of this protein family share an ATPase domain and have roles in diverse cellular processes including membrane trafficking, intracellular motility, organelle biogenesis, protein folding, and proteolysis. Two transcript variants encoding distinct isoforms have been identified for this gene. Mutations associated with this gene cause autosomal recessive spastic paraplegia 7. [provided by RefSeq].

**SPG7 Antibody (Center) Blocking peptide - References**

Warnecke, T., et al. Mov. Disord. 25(4):413-420(2010) Augustin, S., et al. Mol. Cell 35(5):574-585(2009) Karlberg, T., et al. PLoS ONE 4 (10), E6975 (2009) :Brugman, F., et al. Neurology 71(19):1500-1505(2008) Tzoulis, C., et al. J. Neurol. 255(8):1142-1144(2008)