

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

SPG7 Antibody (Center) Blocking peptide - Product Information

Primary Accession [O9UQ90](#)

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).

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)