

**SPG20 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9040a****Specification**

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**SPG20 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q8N0X7](#)**SPG20 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 23111

**Other Names**

Spartin, Spastic paraplegia 20 protein, Trans-activated by hepatitis C virus core protein 1, SPG20, KIAA0610, TAHCCP1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9040a](/products/AP9040a) was selected from the N-term region of human SPG20. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**SPG20 Antibody (N-term) Blocking Peptide - Protein Information**Name SPART ([HGNC:18514](#))**Function**

May be implicated in endosomal trafficking, or microtubule dynamics, or both. Participates in cytokinesis (PubMed:<http://www.uniprot.org/citations/20719964> target="\_blank">20719964).

**Cellular Location**

Cytoplasm. Midbody. Note=Transiently associated with endosomes (PubMed:19580544). Colocalized with IST1 to the ends of Flemming bodies during cytokinesis (PubMed:20719964)

**Tissue Location**

Ubiquitously expressed, with highest levels of expression detected in adipose tissue

## **SPG20 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **SPG20 Antibody (N-term) Blocking Peptide - Images**

## **SPG20 Antibody (N-term) Blocking Peptide - Background**

SPG20 is a protein containing a MIT (Microtubule Interacting and Trafficking molecule) domain, and is implicated in regulating endosomal trafficking and mitochondria function. The protein localizes to mitochondria and partially co-localizes with microtubules. Stimulation with epidermal growth factor (EGF) results in protein translocation to the plasma membrane, and the protein functions in the degradation and intracellular trafficking of EGF receptor.

## **SPG20 Antibody (N-term) Blocking Peptide - References**

Milewska,M., et.al., J. Neurochem. 111 (4), 1022-1030 (2009);Edwards,T.L., et.al., Biochem. J. 423 (1), 31-39 (2009).