

CANT1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP8822a**Specification**

CANT1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8WVQ1](#)**CANT1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 124583**Other Names**

Soluble calcium-activated nucleotidase 1, SCAN-1, Apyrase homolog, Putative MAPK-activating protein PM09, Putative NF-kappa-B-activating protein 107, CANT1, SHAPY

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8822a](/products/AP8822a) was selected from the N-term region of human CANT1. 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.

CANT1 Antibody (N-term) Blocking Peptide - Protein Information**Name** CANT1**Synonyms** SHAPY**Function**

Calcium-dependent nucleotidase with a preference for UDP. The order of activity with different substrates is UDP > GDP > UTP > GTP. Has very low activity towards ADP and even lower activity towards ATP. Does not hydrolyze AMP and GMP (PubMed: [12234496](http://www.uniprot.org/citations/12234496), PubMed: [15248776](http://www.uniprot.org/citations/15248776), PubMed: [15006348](http://www.uniprot.org/citations/15006348), PubMed: [16835225](http://www.uniprot.org/citations/16835225)). Involved in proteoglycan synthesis (PubMed: [22539336](http://www.uniprot.org/citations/22539336)).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type II membrane protein. Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cell membrane. Note=Processed form: Secreted

Tissue Location

Widely expressed..

CANT1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CANT1 Antibody (N-term) Blocking Peptide - Images**CANT1 Antibody (N-term) Blocking Peptide - Background**

CANT1 belongs to the apyrase family. It functions as a calcium-dependent nucleotidase with a preference for UDP.

CANT1 Antibody (N-term) Blocking Peptide - References

Dai,J., et.al., Cell 116 (5), 649-659 (2004)