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CANT1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP8822a

Specification

CANT1 Antibody (N-term) Blocking Peptide - Product Information

Primary 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 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

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)

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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, PubMed:15248776, PubMed:15006348, PubMed:16835225). Involved in proteoglycan synthesis (PubMed: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