

**CANT1 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8822a****Specification**

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**CANT1 Antibody (N-term) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">O8WVQ1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44840
Antigen Region	1-30

**CANT1 Antibody (N-term) - 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**

This CANT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human CANT1.

**Dilution**

WB~~1:1000

FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CANT1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CANT1 Antibody (N-term) - 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](#), 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

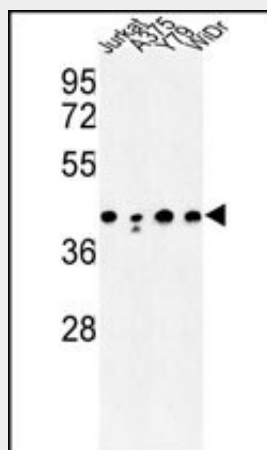
Widely expressed..

### CANT1 Antibody (N-term) - Protocols

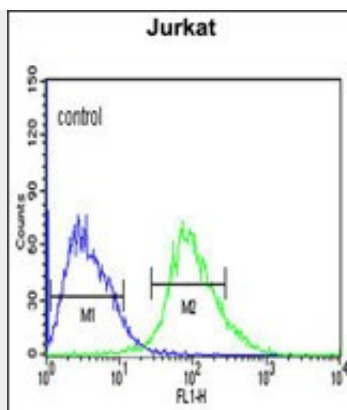
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CANT1 Antibody (N-term) - Images



Western blot analysis of CANT1 Antibody (N-term) (Cat. #AP8822a) in Jurkat, A375, Y79, WiDr cell line lysates (35ug/lane). CANT1 (arrow) was detected using the purified Pab.



CANT1 Antibody (N-term) (Cat. #AP8822a) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **CANT1 Antibody (N-term) - Background**

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

#### **CANT1 Antibody (N-term) - References**

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