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CANT1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8822a

Specification

CANT1 Antibody (N-term) - Product Information

Application	**WB, FC,E**
Primary Accession	Q8WVQ1
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

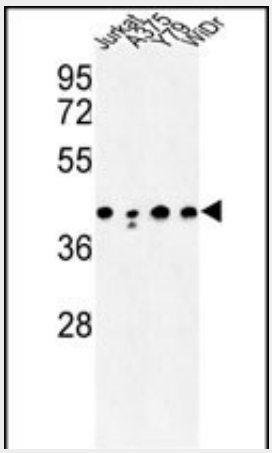
Tissue Location
Widely expressed..

CANT1 Antibody (N-term) - Protocols

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

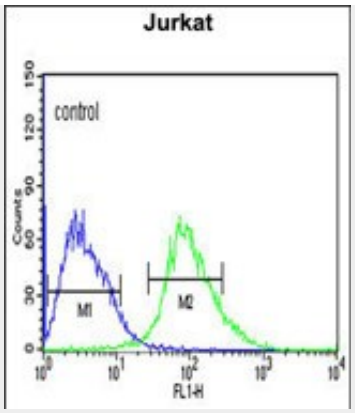
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.

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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)