

ARG40135 anti-CANT1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CANT1
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CANT1
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 1-30 of Human CANT1.
Conjugation	Un-conjugated
Alternate Names	Apyrase homolog; Soluble calcium-activated nucleotidase 1; EC 3.6.1.6; Putative MAPK-activating protein PM09; DBQD; SHAPY; Putative NF-kappa-B-activating protein 107; SCAN-1; SCAN1

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	

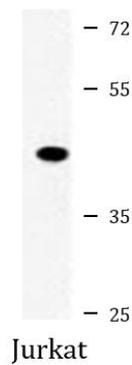
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

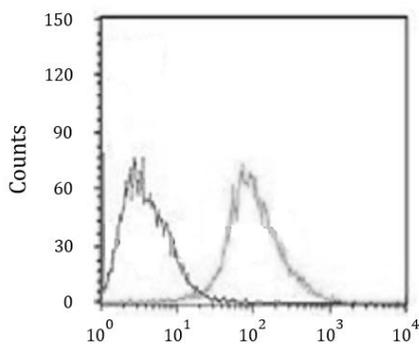
Gene Symbol	CANT1
Gene Full Name	calcium activated nucleotidase 1
Background	This protein encoded by this gene belongs to the apyrase family. It functions as a calcium-dependent nucleotidase with a preference for UDP. Mutations in this gene are associated with Desbuquois dysplasia with hand anomalies. Alternatively spliced transcript variants have been noted for this gene.[provided by RefSeq, Mar 2010]
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. Involved in proteoglycan synthesis. [UniProt]
Calculated Mw	45 kDa
PTM	N-glycosylated. [UniProt]
Cellular Localization	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. [UniProt]

Images



ARG40135 anti-CANT1 antibody WB image

Western blot: 35 µg of Jurkat cell lysate stained with ARG40135 anti-CANT1 antibody.



ARG40135 anti-CANT1 antibody FACS image

Flow Cytometry: Jurkat cells stained with ARG40135 anti-CANT1 antibody (right histogram) or without primary antibody as control (left histogram), followed by incubation with FITC labelled secondary antibody.