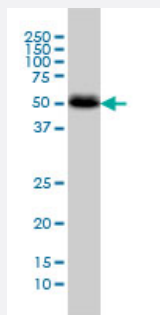


CANT1 monoclonal antibody (M01), clone 2D3

Catalog # H00124583-M01

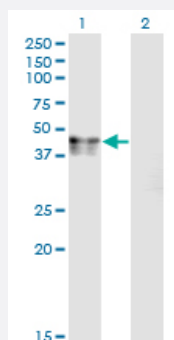
Size 100 ug

Applications



Western Blot (Cell lysate)

CANT1 monoclonal antibody (M01), clone 2D3 Western Blot analysis of CANT1 expression in A-431 (Cat # L015V1).

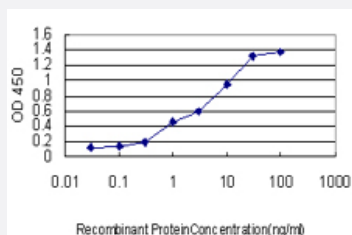


Western Blot (Transfected lysate)

Western Blot analysis of CANT1 expression in transfected 293T cell line by CANT1 monoclonal antibody (M01), clone 2D3.

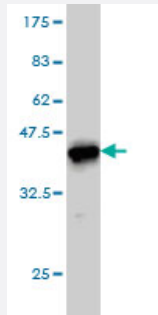
Lane 1: CANT1 transfected lysate(44.8 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CANT1 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CANT1.
Immunogen	CANT1 (AAH17655, 302 a.a. ~ 401 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ASQERYSEKDDERKGANLLLSASPDFGDI VSHVGAVVP THGFSSFKFIPNTDDQI VALKSEEDS GRVASYIMAF TLDGRFLLPETKIGSVKYEGIEFI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (86)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

CANT1 monoclonal antibody (M01), clone 2D3 Western Blot analysis of CANT1 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of CANT1 expression in transfected 293T cell line by CANT1 monoclonal antibody (M01), clone 2D3.

Lane 1: CANT1 transfected lysate(44.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CANT1 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CANT1

Entrez GeneID	124583
GeneBank Accession#	BC017655
Protein Accession#	AAH17655
Gene Name	CANT1
Gene Alias	SCAN-1, SHAPY
Gene Description	calcium activated nucleotidase 1
Gene Ontology	Hyperlink
Gene Summary	isozyme 1 apyrase soluble calcium-activated nucleotidase SCAN-1
Other Designations	Ca ²⁺ -dependent endoplasmic reticulum nucleoside diphosphatase Soluble Ca-Activated Nucleotidase, isozyme 1 apyrase soluble calcium-activated nucleotidase SCAN-1

Publication Reference

- [Calcium-activated nucleotidase 1 silencing inhibits proliferation, migration, and invasion in human clear cell renal cell carcinoma.](#)

Liu X, Yang Z, Luo X, Luo J, Fu W, Fang Z, Xia D, Li L, Xu J.

Journal of Cellular Physiology 2019 May; [Epub].

Application: IF, IHC-P, Human, 769-P cells, Human clear cell renal cell carcinoma

- [ERG rearrangement in small cell prostatic and lung cancer.](#)

Scheble VJ, Braun M, Wilbertz T, Stiedl AC, Petersen K, Schilling D, Reischl M, Seitz G, Fend F, Kristiansen G, Perner S.

Histopathology 2010 Jun; 56(7):937.

Application: IHC, Human, Small cell prostatic cancer (SCPC), small cell lung cancer (SCLC)

Pathway

- [Purine metabolism](#)
- [Pyrimidine metabolism](#)

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Coronary Artery Disease](#)