

For Research Use Only

# PCYT1A Recombinant antibody

Catalog Number: 83100-1-RR



## Basic Information

Catalog Number:

83100-1-RR

Size:

100ul , Concentration: 1000 ug/ml by

Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34268

GenBank Accession Number:

NM\_005017

GeneID (NCBI):

5130

UNIPROT ID:

P49585

Full Name:

phosphate cytidyltransferase 1,  
choline, alpha

Calculated MW:

42 kDa

Observed MW:

38-41 kDa

Purification Method:

Protein A purification

CloneNo.:

230393B4

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HEK-293 cells, NIH/3T3 cells, mouse testis tissue,  
mouse brain tissue

IF/ICC : MCF-7 cells,

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

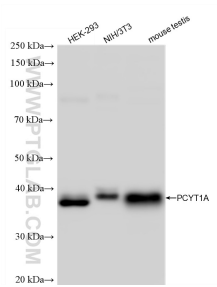
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

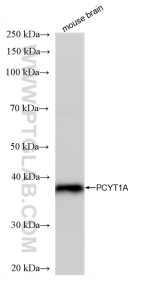
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

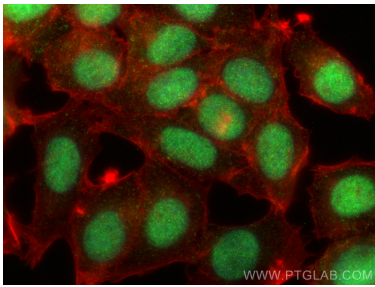
Selected Validation Data



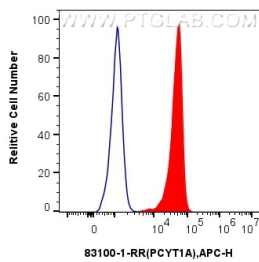
Various lysates were subjected to SDS PAGE followed by western blot with 83100-1-RR (PCYT1A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



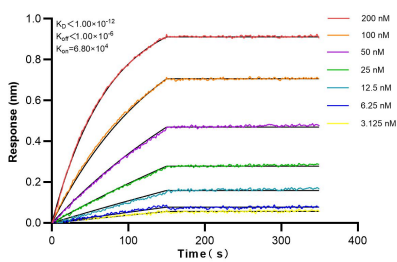
Various lysates were subjected to SDS PAGE followed by western blot with 83100-1-RR (PCYT1A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using PCYT1A antibody (83100-1-RR, Clone: 230393B4) at dilution of 1:400 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).



1x10<sup>6</sup> A431 cells were intracellularly stained with 0.25 ug Anti-Human PCYT1A (83100-1-RR, Clone:230393B4) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Biolayer interferometry (BLI) kinetic assays of 83100-1-RR against Human PCYT1A were performed. The affinity constant is below 1 pM.