

RAN Polyclonal ANTIBODY

Catalog Number: 10469-1-AP

3 Publications

Basic Information

Catalog Number:
10469-1-AP

Size:
51 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG0748

GenBank Accession Number:
BC004272

GeneID (NCBI):
5901

Full Name:
RAN, member RAS oncogene family

Calculated MW:
25 kDa

Observed MW:
24 kDa

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human,mouse,rat

Cited Species:

human, M. rosenbergii, mouse

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : HEK-293 cells; A375 cells, rat kidney tissue,
NIH/3T3 cells, mouse kidney tissue, HeLa cells,
Jurkat cells

IP : mouse kidney tissue;

IHC : human breast cancer tissue; human testis
tissue

IF : HeLa cells;

Background Information

Lysophosphatidylcholine transferase 1 (LPCAT1) is a key enzyme for remodeling phospholipids, catalyzing the conversion of Lysophosphatidylcholine (LPC) to phosphatidylcholine (PC). LPCAT1 is predominantly expressed in lung, particularly in alveolar type II cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Mingxiao Ning	28935600	Fish Shellfish Immunol	WB
Shihab U Sobuz	31075303	Biochim Biophys Acta Mbl Cell Res	WB
Zhen Chen	27145374	Oncotarget	IHC

Storage

Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

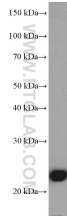
For technical support and original validation data for this product please contact:

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

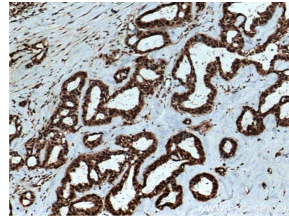
E: proteintech@ptglab.com
W: ptglab.com

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

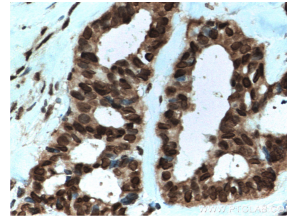
Selected Validation Data



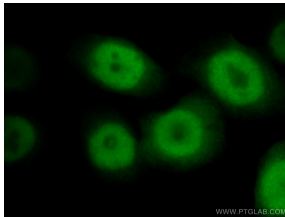
HEK-293 cells were subjected to SDS PAGE followed by western blot with 10469-1-AP (RAN Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



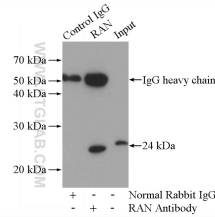
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10469-1-AP (RAN antibody) at dilution of 1:200 (under 10x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH9).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10469-1-AP (RAN antibody) at dilution of 1:200 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH9).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 10469-1-AP (RAN antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IP Result of anti-RAN (IP:10469-1-AP, 4ug; Detection:10469-1-AP 1:1000) with mouse kidney tissue lysate 4000ug.