

For Research Use Only

PNO1 Polyclonal antibody

Catalog Number: 21059-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

21059-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14752

GenBank Accession Number:

BC008304

GeneID (NCBI):

56902

UNIPROT ID:

Q9NRX1

Full Name:

partner of NOB1 homolog (S. cerevisiae)

Calculated MW:

252 aa, 28 kDa

Observed MW:

28-35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

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: A2780 cells, mouse spleen tissue, K-562 cells, A549 cells

IP: L02 cells,

IHC: human liver cancer tissue, human urothelial carcinoma tissue

Background Information

Human RNA binding gene partner of NOB1 (PNO1) was firstly isolated from human kidney and encodes 35-kDa protein, named PNO1. PNO1 as a ribosome biogenesis factor that contributes to 40S subunit assembly by binding with its partner NOB1. PNO1 is a highly conserved protein with a K homology (KH) domain at its C-terminal and two putative nuclear localization signals at its N-terminal. PNO1 also had great regulatory function in tumor metabolism. (PMID: 38071381, PMID: 33864661)

Notable Publications

Author	Pubmed ID	Journal	Application
Yinhui Qin	39263087	Heliyon	IHC
Long Fang	38071381	Sci Rep	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

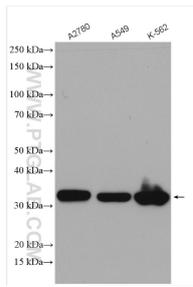
For technical support and original validation data for this product please contact:

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

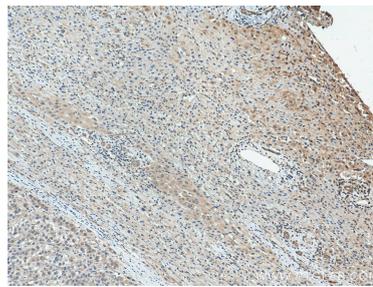
E: proteintech@ptglab.com
W: ptglab.com

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

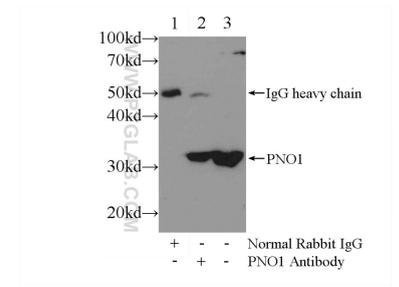
Selected Validation Data



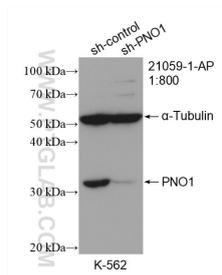
Various lysates were subjected to SDS PAGE followed by western blot with 21059-1-AP (PNO1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21059-1-AP (PNO1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-PNO1 (IP:21059-1-AP, 3ug; Detection:21059-1-AP 1:300) with L02 cells lysate 1500ug.



WB result of PNO1 antibody (21059-1-AP; 1:800; incubated at room temperature for 1.5 hours) with sh-Control and sh-PNO1 transfected K-562 cells.