

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

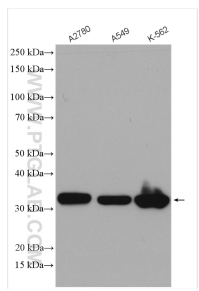
For technical support and original validation data for this product please contact:

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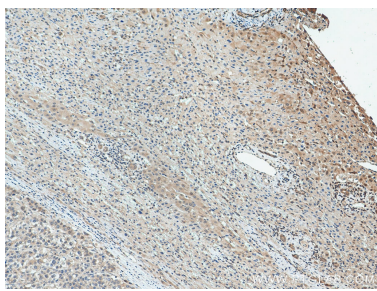
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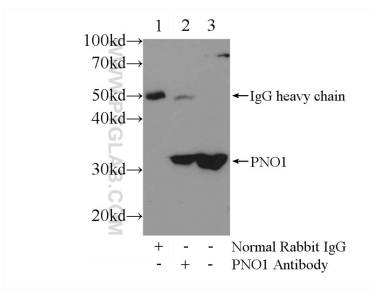
Selected Validation Data



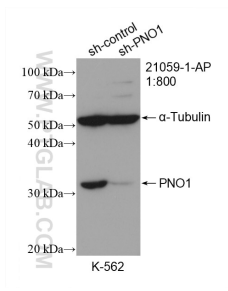
Various lysates were subjected to SDS PAGE followed by western blot with 21059-1-AP (PNO1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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.