

For Research Use Only

# NOP58 Recombinant antibody, PBS Only



Catalog Number: 82879-1-PBS

## Basic Information

<b>Catalog Number:</b> 82879-1-PBS	<b>GenBank Accession Number:</b> BC032592	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1mg/ml	<b>GeneID (NCBI):</b> 51602	<b>CloneNo.:</b> 230058C7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y2X3	
<b>Isotype:</b> IgG	<b>Full Name:</b> NOP58 ribonucleoprotein homolog (yeast)	
<b>Immunogen Catalog Number:</b> AG5740	<b>Calculated MW:</b> 60 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

**Tested Applications:**  
WB, IP, IHC, IF/ICC, Indirect ELISA

**Species Specificity:**  
Human

## Background Information

The box C/D snoRNPs are named for the short, conserved box C (UGAUGA) and box D (CUGA) sequences present in their RNA moiety. The box C/D sequences are also required for multiple aspects of snoRNA biogenesis, including RNA stability, intronic processing, nucleolar targeting, nuclear retention, and 59 trimethylguanosine cap formation (PMID:9649444,8878486). Nop58 is a component common to the box C/D small nucleolar ribonucleoprotein (PMID:10606270).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

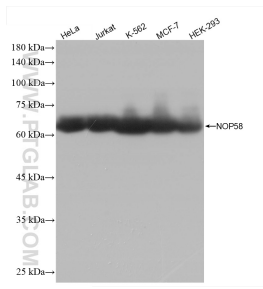
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

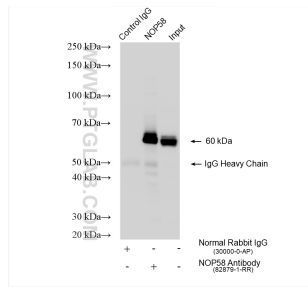
W: [ptgcn.com](http://ptgcn.com)

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

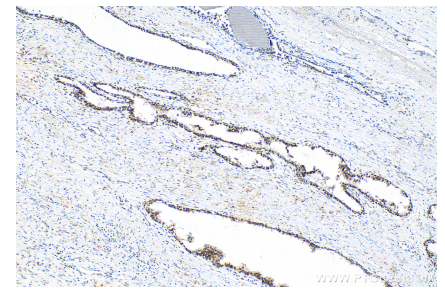
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82879-1-RR (NOP58 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82879-1-PBS in a different storage buffer formulation.



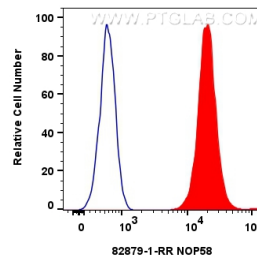
IP result of anti-NOP58 (IP:82879-1-RR, 4ug; Detection:82879-1-RR 1:2000) with HeLa cells lysate 1600 ug. This data was developed using the same antibody clone with 82879-1-PBS in a different storage buffer formulation.



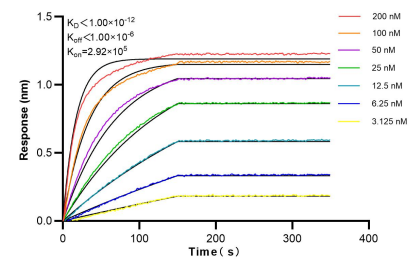
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 82879-1-RR (NOP58 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82879-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using NOP58 antibody (82879-1-RR) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR004). This data was developed using the same antibody clone with 82879-1-PBS in a different storage buffer formulation.



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25 ug NOP58 Recombinant antibody (82879-1-RR, Clone:230058C7) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 82879-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 82879-1-RR against Human NOP58 were performed. The affinity constant is below 1 pM.