

For Research Use Only

# GPN2 Polyclonal antibody

Catalog Number: 33504-1-AP



## Basic Information

<b>Catalog Number:</b> 33504-1-AP	<b>GenBank Accession Number:</b> NM_018066.3	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54707	<b>Recommended Dilutions:</b> WB: 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H9Y4	
<b>Isotype:</b> IgG	<b>Full Name:</b> GPN-loop GTPase 2	
<b>Immunogen Catalog Number:</b> AG39635	<b>Calculated MW:</b> 35kDa 310aa	
	<b>Observed MW:</b> 32 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, Jurkat cell, K-562 cells
<b>Species Specificity:</b> human	

## Background Information

Gpn2 is a highly conserved protein essential for the assembly of RNA polymerase II (RNAPII) in eukaryotic cells. Mutations in Gpn2, specifically Phe105Tyr and Leu164Pro, confer temperature sensitivity and significantly impair RNAPII assembly (PMID: 39642114).

## 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

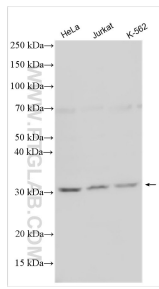
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33504-1-AP (GPN2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.