

For Research Use Only

# NPLOC4 Recombinant monoclonal antibody

Catalog Number: 87535-4-RR



## Basic Information

<b>Catalog Number:</b> 87535-4-RR	<b>GenBank Accession Number:</b> BC025930	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 55666	<b>CloneNo.:</b> 252885C10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8TAT6	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> nuclear protein localization 4 homolog (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG2219	<b>Calculated MW:</b> 608 aa, 68 kDa	
	<b>Observed MW:</b> 68-75 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : 5637 cells, Caco-2 cells, PANC-1 cells
<b>Species Specificity:</b> human	

## Background Information

NPLOC4 (NPL4 ubiquitin recognition factor) is an essential protein involved in numerous cellular processes, especially those related to the endoplasmic reticulum (ER). It acts as a co-factor in the p97/VCP complex, which is vital for protein quality control and degradation via the ubiquitin-proteasome system. NPLOC4 plays a significant role in ER-associated degradation (ERAD), maintaining cellular homeostasis.

## 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

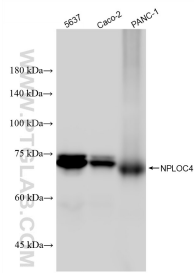
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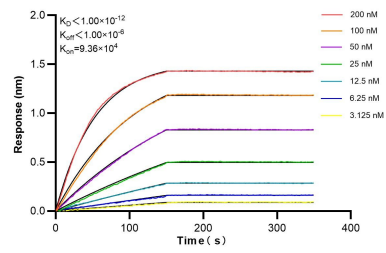
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87535-4-RR (NPLOC4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87535-4-RR against Human NPLOC4 were performed. The affinity constant is below 1 pM.