

For Research Use Only

# NPLOC4 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87535-4-PBS



## Basic Information

<b>Catalog Number:</b> 87535-4-PBS	<b>GenBank Accession Number:</b> BC025930	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 55666	<b>CloneNo.:</b> 252885C10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8TAT6	
<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

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
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 -80°C.

**Storage Buffer:**  
PBS only, pH7.3

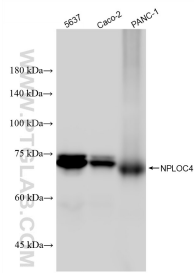
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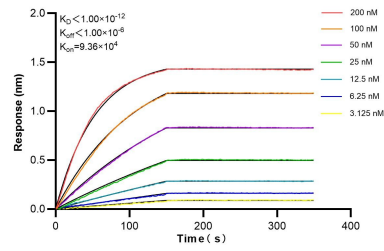
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## Selected Validation Data



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. This data was developed using the same antibody clone with 87535-4-PBS in a different storage buffer formulation.



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