

For Research Use Only

# NPLOC4 Recombinant monoclonal antibody

Catalog Number:87535-4-RR



## Basic Information

Catalog Number:

87535-4-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2219

GenBank Accession Number:

BC025930

GeneID (NCBI):

55666

UNIPROT ID:

Q8TAT6

Full Name:

nuclear protein localization 4 homolog (S. cerevisiae)

Calculated MW:

608 aa, 68 kDa

Observed MW:

68-75 kDa

Purification Method:

Protein A purification

CloneNo.:

252885C10

Recommended Dilutions:

WB: 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : 5637 cells, Caco-2 cells, PANC-1 cells

## 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

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

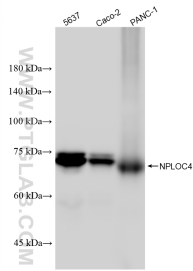
T: 4006900926

E: Proteintech-CN@ptglab.com

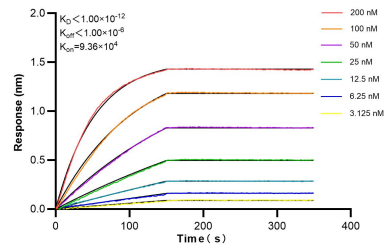
W: ptgcn.com

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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.