

For Research Use Only

# PELO Recombinant antibody

Catalog Number: 85743-2-RR



## Basic Information

Catalog Number:

85743-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0873

GenBank Accession Number:

BC005889

GeneID (NCBI):

53918

UNIPROT ID:

Q9BRX2

Full Name:

pelota homolog (Drosophila)

Calculated MW:

43 kDa

Observed MW:

43-45 kDa

Purification Method:

Protein A purification

CloneNo.:

243137A4

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, SKOV-3 cells, A375 cells, MDA-MB-231 cells, HEK-293 cells, mouse testis tissue, rat testis tissue

## Background Information

The Pelo gene was originally identified in a mutagenesis screen for spermatogenesis-specific genes of *Drosophila melanogaster*. The PELO is required for the meiotic division during the G2/M transition, and functions in recognizing stalled ribosomes and triggering endonucleolytic cleavage of the mRNA, a mechanism to release non-functional ribosomes and degrade damaged mRNAs [PMID:12556505]. It may participate in the machinery of protein synthesis or in the regulation of mRNA translation [PMID:9584085].

## 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:

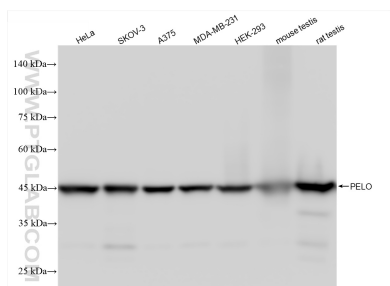
T: 4006900926

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

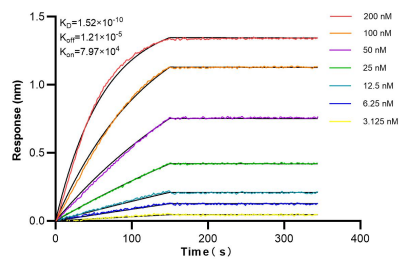
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85743-2-RR (PELO antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85743-2-RR against Human PELO were performed. The affinity constant is 0.152 nM.