

For Research Use Only

PELO Recombinant antibody

Catalog Number: 85743-1-RR



Basic Information

Catalog Number: 85743-1-RR	GenBank Accession Number: BC005889	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 53918	CloneNo.: 243137F4
Source: Rabbit	UNIPROT ID: Q9BRX2	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: pelota homolog (Drosophila)	
Immunogen Catalog Number: AG0873	Calculated MW: 43 kDa	
	Observed MW: 43-45 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : A375 cells, MDA-MB-231 cells, HEK-293 cells IF/ICC : HeLa cells,

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

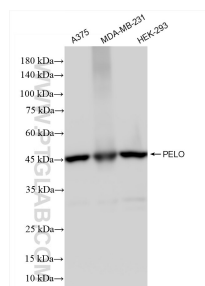
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

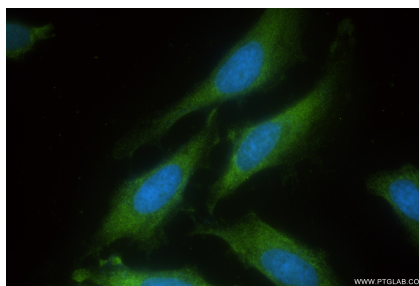
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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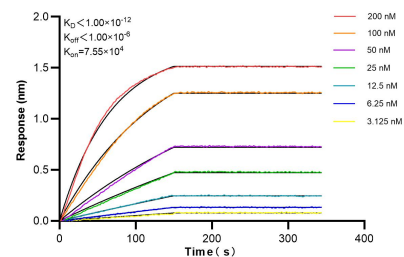
Selected Validation Data



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



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using PELO antibody (85743-1-RR, Clone: 243137F4) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 85743-1-RR against Human PELO were performed. The affinity constant is below 1 pM.