

For Research Use Only

# RPL13 Recombinant antibody

Catalog Number:86205-2-RR



## Basic Information

Catalog Number:	86205-2-RR	GenBank Accession Number:	BC014167	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	6137	CloneNo.:	250752D2
Source:	Rabbit	UNIPROT ID:	P26373	Recommended Dilutions:	WB: 1:2000-1:10000 IF/ICC: 1:250-1:1000
Isotype:	IgG	Full Name:	ribosomal protein L13		
Immunogen Catalog Number:	AG1814	Calculated MW:	24 kDa		
		Observed MW:	24 kDa		

## Applications

Tested Applications:	WB, IF/ICC, ELISA	Positive Controls:	HeLa cells, Jurkat cells, K-562 cells, MCF-7 cells, COS-7 cells, SGC-7091 cells, NIH/3T3 cells
Species Specificity:	human, mouse, monkey	IF/ICC :	HeLa cells,

## Background Information

The mammalian ribosome comprises 79 ribosomal proteins and four rRNAs, which combine in equimolar ratios to form the small (40S) and large (60S) subunits. Ribosome proteins are a direct and critical target of the PI3K pathway in promoting growth.[PMID:15289434]. RPL13 may be a plausible candidate tumor suppressor gene, as knocking down L13 expression using small interfering RNA (siRNA) resulted in drastic attenuation of cancer cell growth with significant G1 and G2/M arrest of the cell cycle[PMID:16786168].

## Storage

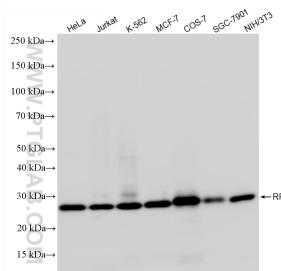
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

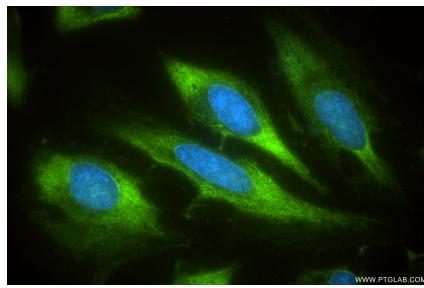
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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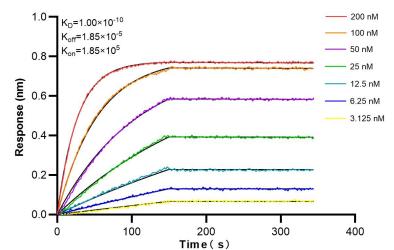
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86205-2-RR (RPL13 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using RPL13 antibody (86205-2-RR, Clone: 250752D2 ) at dilution of 1:500 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 86205-2-RR against Human RPL13 were performed. The affinity constant is 0.10 nM.