

For Research Use Only

# GRWD1 Recombinant antibody, PBS Only

Catalog Number: **86451-3-PBS**



## Basic Information

Catalog Number:	86451-3-PBS	GenBank Accession Number:	BC002440	Purification Method:	Protein A purification
Size:	1000ug, Concentration: 1 mg/ml by Nanodrop;	GenelD (NCBI):	83743	CloneNo.:	251273F6
Source:	Rabbit	UNIPROT ID:	Q9BQ67	Full Name:	glutamate-rich WD repeat containing 1
Isotype:	IgG	Calculated MW:	49 kDa	Observed MW:	49-63 kDa
Immunogen Catalog Number:	AG0367				

## Applications

Tested Applications:  
WB, IF/ICC, Indirect ELISA

Species Specificity:  
human, mouse

## Background Information

WD-repeat proteins are a class of functionally divergent molecules that cooperate with other proteins to regulate cellular processes. WD-repeat proteins have been implicated in a variety of cellular functions that are mostly regulatory in nature, including cytoskeleton organization, vesicular fusion, pre-mRNA splicing, and cell cycle regulation. WD-repeat-containing protein designated glutamate-rich WD repeat (GRWD1) is a component of the 50S and 80S preribosomal complexes and plays a role in ribosome biogenesis and during myeloid differentiation its levels are regulated. (PMID:15885502)

## Storage

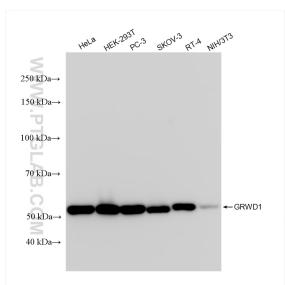
Storage:  
Store at -80°C.  
Storage Buffer:  
PBS only, pH7.3

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)

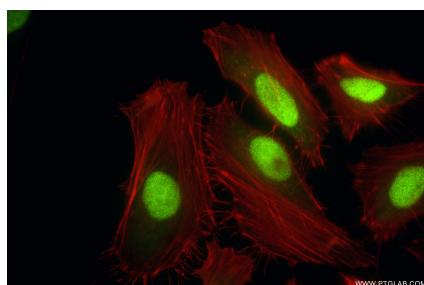
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

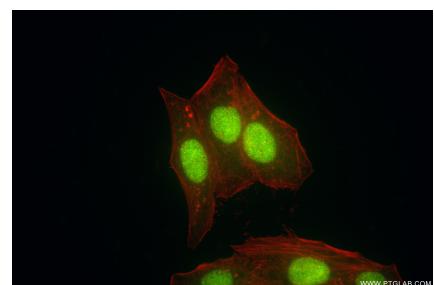
## Selected Validation Data



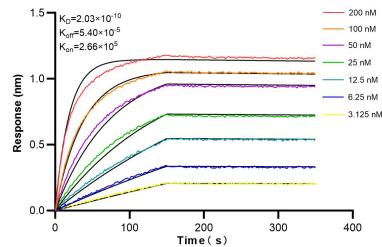
Various lysates were subjected to SDS PAGE followed by western blot with 86451-3-RR (GRWD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86451-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using GRWD1 antibody (86451-3-RR, Clone: 251273F6) at dilution of 1:1000 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 86451-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using GRWD1 antibody (86451-3-RR, Clone: 251273F6) at dilution of 1:1000 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 86451-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86451-3-RR against Human GRWD1 were performed. The affinity constant is 0.203 nM.