

GRWD1 Recombinant antibody

Catalog Number: 86451-3-RR

Basic Information

Catalog Number:	86451-3-RR	GenBank Accession Number:	BC002440	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GenelD (NCBI):	83743	CloneNo.:	251273F6
Source:	Rabbit	UNIPROT ID:	Q9BQ67	Recommended Dilutions:	WB: 1:5000-1:50000 IF/ICC: 1:500-1:2000
Isotype:	IgG	Full Name:	glutamate-rich WD repeat containing 1		
Immunogen Catalog Number:	AG0367	Calculated MW:	49 kDa		
		Observed MW:	49-63 kDa		

Applications

Tested Applications:	Positive Controls:
WB, IF/ICC, ELISA	WB: HeLa cells, HEK-293T cells, PC-3 cells, SKOV-3 cells, RT-4 cells, NIH/3T3 cells
Species Specificity:	IF/ICC: HeLa cells, HepG2 cells
human, mouse	

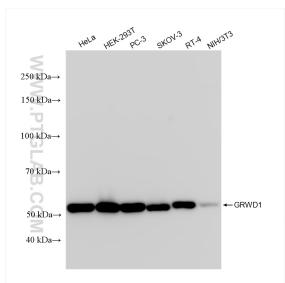
Background Information

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)

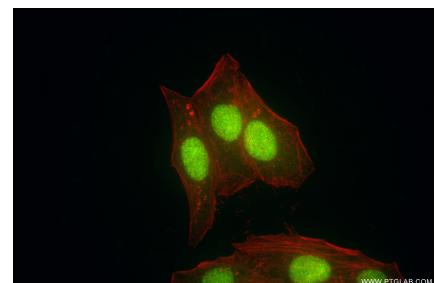
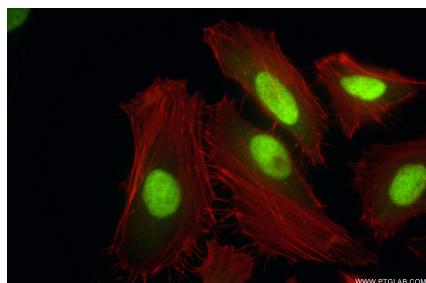
Storage

Storage:
Store at -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

Selected Validation Data

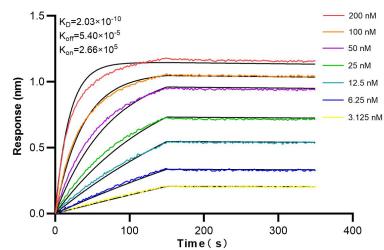


Various lysates were subjected to SDS PAGE followed by western blot with 86451-3-RR (GRWD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).

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).



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