

For Research Use Only

GCNA Recombinant antibody

Catalog Number: 84124-4-RR



Basic Information

Catalog Number: 84124-4-RR	GenBank Accession Number: BC136259	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 93953	CloneNo.: 241428A9
Source: Rabbit	UNIPROT ID: Q96QF7	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: acidic repeat containing	
Immunogen Catalog Number: AG21895	Calculated MW: 691 aa, 76 kDa	
	Observed MW: 90 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : LNCaP cells, DU 145 cells, MCF-7 cells, A549 cells, HepG2 cells, PC-3 cells, human testis tissue
	IF/ICC : LNCaP cells,

Background Information

GCNA, also known as ACRC, belongs to the serine-aspartate repeat-containing protein (SDr) family. GCNA has remained tightly associated with sexual reproduction showing enriched expression within germ cells in both invertebrate and vertebrate species. GCNA has recently been implicated in resolving DPCs in germ cells and early embryos. GCNA is targeted to SUMOylated DPC proteins through its SUMO-interacting motifs (SIMs), reinforcing the importance of SUMOylation in DPC repair. The amino acid sequence homology of GCNA in humans and mice is very low. The calculated molecular weight of GCNA is 76 kDa. Sometimes higher molecular weight around 90 kDa can also be observed, which may be caused by SUMO modification (PMID: 31839537, 32329115).

Storage

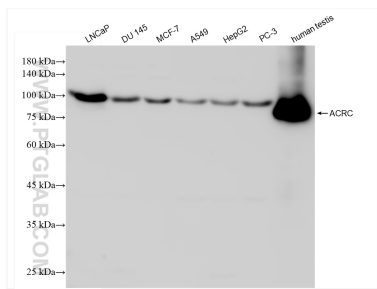
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

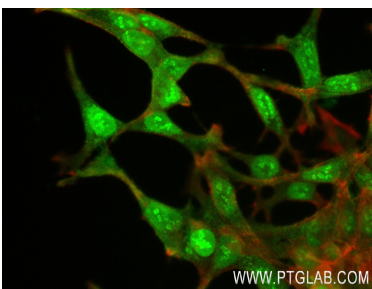
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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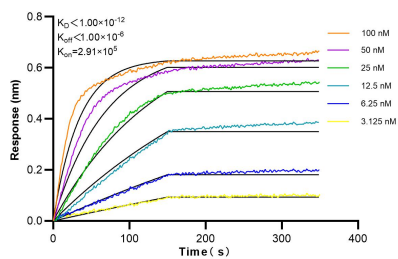
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84124-4-RR (GCNA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed LNCaP cells using GCNA antibody (84124-4-RR, Clone: 241428A9) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 84124-4-RR against Human GCNA were performed. The affinity constant is below 1 pM.