

For Research Use Only

# GCNA Polyclonal antibody

Catalog Number: 25516-1-AP



## Basic Information

|   |   |  |
|---|---|--|
| <b>Catalog Number:</b><br>25516-1-AP                          | <b>GenBank Accession Number:</b><br>BC136259  | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Size:</b><br>150ul , Concentration: 240 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>93953                | <b>Recommended Dilutions:</b><br>WB 1:500-1:3000             |
| <b>Source:</b><br>Rabbit                                      | <b>UNIPROT ID:</b><br>Q96QF7                  |  |
| <b>Isotype:</b><br>IgG  | <b>Full Name:</b><br>acidic repeat containing |  |
| <b>Immunogen Catalog Number:</b><br>AG21895                   | <b>Calculated MW:</b><br>691 aa, 76 kDa       |  |
|   | <b>Observed MW:</b><br>90 kDa                 |  |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>WB, ELISA | <b>Positive Controls:</b><br>WB : human testis tissue, |
| <b>Species Specificity:</b><br>human     |  |

## 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

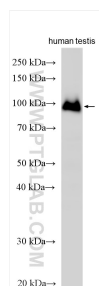
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 25516-1-AP (GCNA antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.