

For Research Use Only

GCNA Polyclonal antibody

Catalog Number: 25516-1-AP



Basic Information

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

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human testis tissue,
Species Specificity: 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

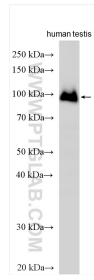
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Selected Validation Data



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.