GCNA Polyclonal antibody

Catalog Number:**25516-1-AP**

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
25516-1-AP

Size:
240 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG21895

GenBank Accession Number:
BC136259

GeneID (NCBI):
93953

UNIPROT ID:
Q96QF7

Full Name:
acidic repeat containing

Calculated MW:
691 aa, 76 kDa

Observed MW:
90 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:3000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : human testis tissue,

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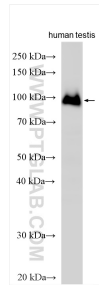
human testis tissue were subjected to SDS PAGE followed by western blot with 25516-1-AP (GCNA antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.