

bs-13347R**[Primary Antibody]****GGN Rabbit pAb****BioSS**
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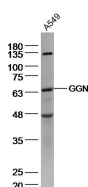
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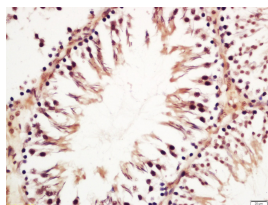
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 199720 Target: GGN Immunogen: KLH conjugated synthetic peptide derived from human GGN/Gametogenetin: 5-100/652. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: Gametogenetin is a 652 amino acid protein that is primarily expressed in testis and ovary. Interacting with POG (proliferation of germ cells), GGNBP1 and LCRG1, gametogenetin is likely involved in spermatogenesis. Gametogenetin exists as three alternatively spliced isoforms commonly known as gametogenetin protein 1 (GGN1), gametogenetin protein 2 (GGN2) and gametogenetin protein 3 (GGN3), which localize to nuclear membrane, cytoplasm and nucleus/nucleoli, respectively. GGN1 contains two transmembrane domains in its N-terminal half and 2 C-terminal arginine- and lysine-rich nucleolar targeting sequences. GGN1 and GGN3 are likely linked to germ cell development and both GGN1 and GGN2 may be involved in cell trafficking.	Isotype: IgG SWISS: Q86UU5 Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Rat (predicted: Mouse, Pig, Sheep, Cow, Dog) Predicted MW.: 67 kDa Subcellular Location: Cytoplasm ,Nucleus
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— VALIDATION IMAGES —

Sample: A549 (human) cell Lysate at 40 ug
Primary: Anti- GGN(bs-13347R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 67kD
Observed band size: 67 kD



Tissue/cell: rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-GGN Polyclonal Antibody, Unconjugated(bs-13347R) 1:1000, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=5.8]** Suresh Bugide. et al. ALK inhibitors suppress HCC and synergize with anti-PD-1 therapy and ABT-263 in preclinical models. ISCIENCE. 2024 Apr 23 WB ;Human. 38741708
- **[IF=1.935]** Liu Z et al. GGN Promotes Tumorigenesis by Regulating Proliferation and Apoptosis in Colorectal Cancer. Pathol Oncol Res. 2019 Feb 5. WB,IHC ;Human. 30721393

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