

GCNF Polyclonal Antibody

Catalog number: 12712-1-AP

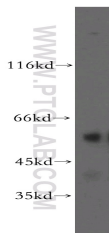
Size: 22 µg/150 µl

Source: Rabbit

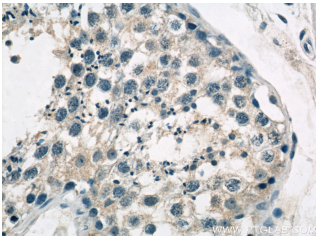
Isotype: IgG

Synonyms:

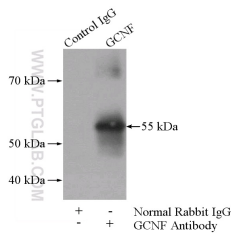
NR6A1; GCNF, GCNF1, Germ cell nuclear factor, hGCNF, hRTR, NR61, NR6A1, RTR



PC-3 cells were subjected to SDS PAGE followed by western blot with 12712-1-AP (NR6A1 antibody) at dilution of 1:300



Immunohistochemistry of paraffin-embedded human testis tissue slide using 12712-1-AP (NR6A1 Antibody) at dilution of 1:50 (under 40x lens)



IP Result of anti-NR6A1 (IP:12712-1-AP, 4µg; Detection:12712-1-AP 1:800) with mouse testis tissue lysate 4000µg.

Background

NR6A1 (Nuclear Receptor Subfamily 6 Group A member), also known as GCNF (Germ Cell Nuclear Factor), is an orphan member of the nuclear receptor gene superfamily. It has been shown to be expressed in the nervous system during development and during specific stages in maturing germ cells of the ovary and testis in the adult, and has probable roles in gametogenesis, neurogenesis, and normal embryonic development during gastrulation. Inactivation of GCNF in mouse results in abnormal posterior development, impaired midbrain development, insufficient closure of the neural tube, and eventual embryonic death. GCNF has been shown to be a repressor of OCT-4 and of the protamine genes and plays a critical role in the control of gene expression during embryogenesis and spermatogenesis. This antibody specifically reacts with the 55kd NR6A1 protein.

Applications

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|---------------------------|---|
| Tested applications: | ELISA, WB, IHC, IP |
| Species specificity: | Human, Mouse, Rat; other species not tested. |
| Calculated GCNF MW: | 475aa, 54 kDa |
| Observed GCNF MW: | 55 kDa |
| Positive WB detected in: | PC-3 cells, K-562 cells, mouse testis tissue |
| Positive IP detected in: | Mouse testis tissue |
| Positive IHC detected in: | Human testis tissue |
| Recommended dilution: | WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 |

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

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|---------------------------|---|
| Immunogen: | Ag3395 |
| GenBank accession number: | BC030600 |
| Gene ID (NCBI): | 2649 |
| Full name: | Nuclear receptor subfamily 6, group A, member 1 |

Product information

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|----------------------|--|
| Purification method: | Antigen affinity purification |
| Storage: | PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C. |