



Rabbit Anti-GCNF antibody

SL21578R

Product Name:	GCNF
Chinese Name:	生殖The nucleus因子GCNF/维甲酸受体相关睾丸受体抗体
Alias:	GCNF 1; GCNF; GCNF1; Germ cell nuclear factor; hGCNF; hRTR; NR 61; NR61; NR6A1; NR6A1_HUMAN; Nuclear receptor subfamily 6 group A member 1; Orphan nuclear receptor NR6A1; Retinoic acid receptor related testis associated receptor; Retinoid receptor related testis specific receptor; Retinoid receptor-related testis-specific receptor; RTR.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	54kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GCNF :91-190/480
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Germ cell nuclear factor (GCNF) is an orphan member of the nuclear receptor gene superfamily that influences neurogenesis and germ cell development. GCNF can homodimerize and bind DNA. GCNF regulates paracrine interaction between the oocyte

and somatic cells by regulating the expression of BMP-15 and GDF-9, to affect female fertility. GCNF is present in spermatocytes and round spermatids of adult male mouse testis; northern blot and ribonuclease protection assays have shown GCNF is predominant in the testis. The gene expresses three alternatively spliced transcript variants.

Function:

Orphan nuclear receptor. Binds to a response element containing the sequence 5'-TCAAGGTCA-3'. May be involved in the regulation of gene expression in germ cell development during gametogenesis.

Subunit:

Homodimer. Interacts with UIMC1

Subcellular Location:

Nucleus.

Tissue Specificity:

Shows highest expression in the germ cells of the adult testis.

Similarity:

Belongs to the nuclear hormone receptor family. NR6 subfamily. Contains 1 nuclear receptor DNA-binding domain.

SWISS:

Q15406

Gene ID:

2649

Database links:

[Entrez Gene: 2649](#)Human

[Entrez Gene: 14536](#)Mouse

[Entrez Gene: 362125](#)Rat

[Oimim: 602778](#)Human

[SwissProt: Q15406](#)Human

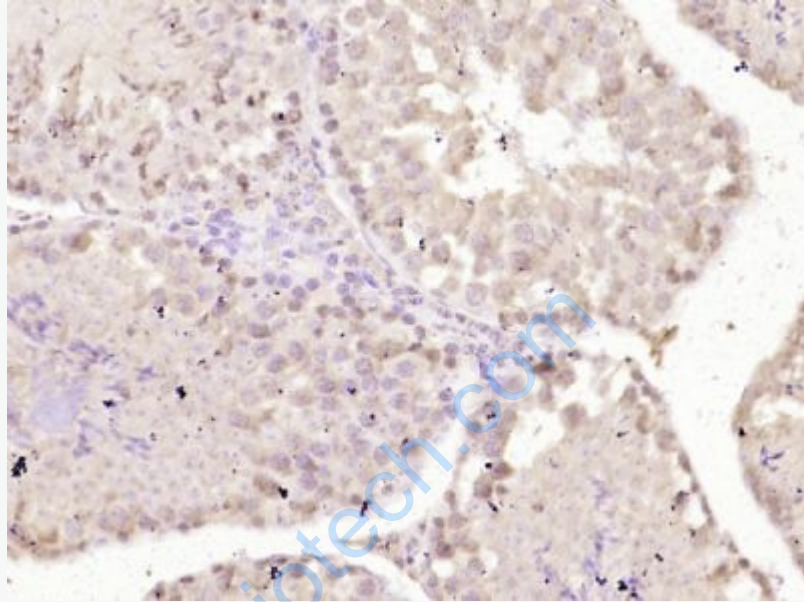
[SwissProt: Q64249](#)Mouse

[Unigene: 586460](#)Human

[Unigene: 439703](#)Mouse

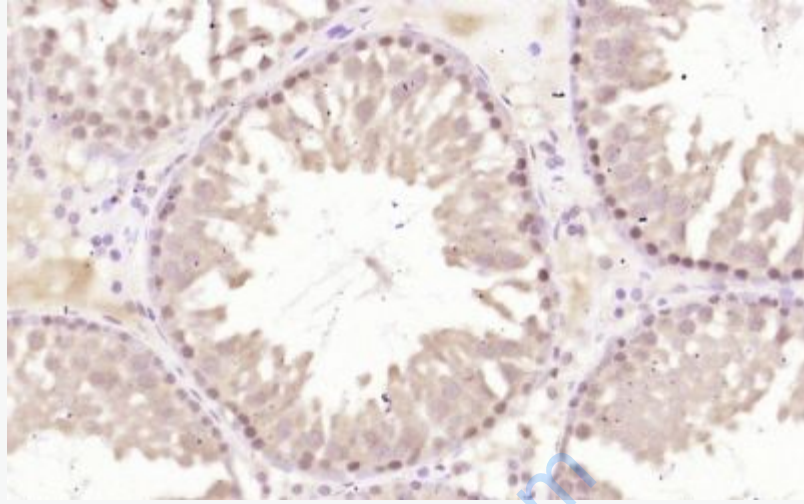
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GCNF) Polyclonal Antibody, Unconjugated (SL21578R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GCNF) Polyclonal Antibody, Unconjugated (SL21578R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.