SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GCX1/C20orf100 antibody

Catalog Number: SL11402R

FOR RESEARCH USE ONLY

[DATASHEET]

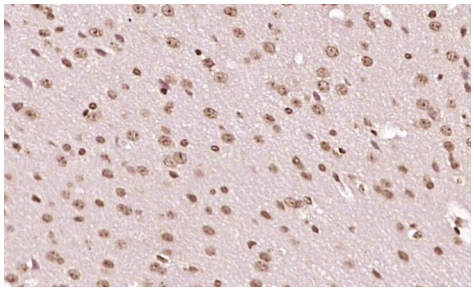
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GCX1/C20orf100
Immunogen:	KLH conjugated synthetic peptide derived from human GCX1/C20orf100: 201-300/488
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse, (predicted: Human, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	52kDa
Subcellular Location:	The nucleus
Background:	GCX-1 is a 488 amino acid transcription activator that is restricted to expression in the hypothalamus, pituitary, ovary, testis and uterus. Human reproduction is controlled by the hypothalamic-pituitary gonadal axis (HPGA) that is laid down early in fetal development. This expression pattern in the HPGA suggests that this nuclear protein is likely related to specific events in reproduction, particularly in the female. GCX-1 contains a HMG-box domain, which is commonly found in proteins that function as intercellular regulators and transcriptional co-regulators, and are found to be involved in important events such as sex determination and in the regulation of T cell differentiation. There are two isoforms of GCX-1 which are produced as a result of alternative splicing events. **Function:** C20orf100 is a putative transcriptional activator involved in the

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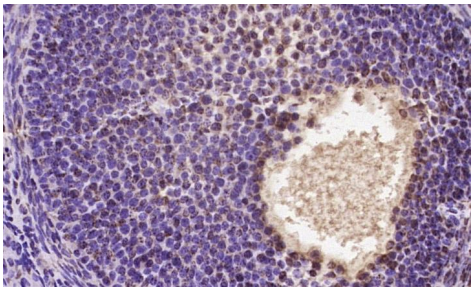
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	hypothalamo-pituitary-gonadal system. It may regulate follicular development and other processes related to female reproduction. **Subcellular Location:** Nuclear **Similarity:** Contains 1 HMG box DNA-binding domain. **Database links:** **Entrez Gene:** 84969 Human **Entrez Gene:** 269389 Mouse **Entrez Gene:** 311615 Rat Omim: 611163 Human **SwissProt:** Q96NM4 Human **SwissProt:** Q76IQ7 Rat **Unigene:** 26608 Human **Unigene:** 129021 Rat

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (GCX1 C20orf100) Polyclonal Antibody, Unconjugated (SL11402R) 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 (Mouse ovary); 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 (GCX1 C20orf100) Polyclonal Antibody, Unconjugated (SL11402R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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