SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-GANC/Biotin Conjugated antibody

Catalog Number: SL13279R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-GANC/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human GANC/Neutral alphaglucosidase C
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1000-10000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:50-200 IF=1:100-500 ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Horse)
Background:	background: A key enzyme in glycogen degradation and metabolism, GANC (glucosidase, α neutral C) is a 914 amino acid protein with α-glucosidase activity that belongs to the glycosyl hydrolase 31 family and hydrolyzes non-reducing, terminal 1,4-linked α-D-glucose residues and releases α-D-glucose. The gene encoding GANC maps to human chromosome 15q15.1, a region associated with susceptibility to non-insulin-dependent (type 2) diabetes mellitus, a disease characterized by high blood glucose levels. Human chromosome 15 houses over 700 genes and comprises nearly 3% of the human genome. Angelman syndrome, Prader-Willi syndrome, Tay-Sachs disease and

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	Marfan syndrome are all associated with defects in chromosome 15-localized genes. **Function:** Has alpha-glucosidase activity. **Similarity:** Belongs to the glycosyl hydrolase 31 family. **Database links:** **Entrez Gene:** 2595 Human Omim: 104180 Human **SwissProt:** Q8TET4 Human **Unigene:** 143261 Human **Unigene:** 730806 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.