

Rabbit Anti-GANC/AP Conjugated antibody

SL13279R-AP

Product Name	Anti-GANC/AP
Chinese Name	碱性磷酸酶 (AP) 标记的 α -葡萄糖苷酶 C 抗体
Alias	Neutral alphaglucoSIDase C; Ganc; GANC_HUMAN; Glucosidase alpha neutral C; MGC138256; Neutral alpha glucosidase C; Neutral alpha-glucosidase C; Neutral alphaglucoSIDase C.
Research Area	Tumour Cell biology Signal transduction Diabetes The new supersedes the old
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Horse) WB=1000-10000,IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	104kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human GANC/Neutral alphaglucoSIDase C
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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.
Storage	
Product Detail	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 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.