
GANC Rabbit pAb

Catalog Number: bs-13279R

Target Protein: GANC

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500), ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Dog, Horse)

Predicted MW: 104 kDa

Entrez Gene: 2595

Swiss Prot: Q8TET4

Source: KLH conjugated synthetic peptide derived from human GANC/Neutral alphaglucohydrolase C: 31-130/914.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.144] Wang,et al.Oat globulin peptides regulate antidiabetic drug targets and glucose transporters in Caco-2 cells.(2018) Journal of Functional Foods. 42:12-20. WB ; Human . 10.1016/j.jff.2017.12.061