bs-13279R **[Primary Antibody]**

GANC Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2595 **SWISS:** Q8TET4

Target: GANC

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

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°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.

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

Subcellular Location: Nucleus

SELECTED CITATIONS

- **[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