GANC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GANC, Polyclonal Antibody
Full Product Name	GANC, NT (GANC, Neutral alpha-glucosidase C) (MaxLight 550)
Product Gene Name	anti-GANC antibody
Product Synonym Names	GANC; Neutral alpha-glucosidase C
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	104,334 Da
OMIM	104180
3D Structure	ModBase 3D Structure for Q8TET4
Immunogen	GANC antibody is generated from rabbits immunized with a KLH conjugated synthetic between 1-30 amino acids selected from the N-terminal region of human GANC.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-GANC antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-GANC antibody	Western Blot (WB), FLISA
Application Notes for anti-GANC antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-GANC antibody	Glycosyl hydrolase enzymes hydrolyse the glycosidic bond between two or more carbohydrates, or between a carbohydrate and a non-carbohydrate moiety. This gene encodes a member of glycosyl hydrolases family 31. This enzyme hydrolyses terminal, non-reducing 1,4-linked alpha-D-glucose residues and releases alpha-D-glucose. This is a key enzyme in glycogen metabolism and its gene localizes to a chromosomal region (15q15) that is associated with susceptibility to diabetes.
Product References and Citations for anti-GANC antibody	Oba-Shinjo, S.M., et al. J. Neurol. 256(11):1881-1890(2009). Kawabata, Y., et al. FEBS Lett. 555(3):623-630(2003). Dgany, O., et al. Am. J. Hum. Genet. 71(6):1467-1474(2002). Hirschhorn, R., et al. Proc. Natl. Acad. Sci. U.S.A. 99(21):13642-13646(2002). Usuki, F., et al. Muscle Nerve 11(4):365-371(1988).

Other Notes	Small volumes of anti-GANC antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GANC purchase	MBS6301221 is an antibody targeting GANC. Also known as GANC, NT (GANC, Neutral alpha-glucosidase C) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GANC. It may not necessarily be applicable to this product.

NCBI GI #	66346737
NCBI GeneID	2595
NCBI Accession #	NP_937784.2
UniProt Primary Accession #	Q8TET4
UniProt Secondary Accession #	Q52LQ4; Q8IWZ0; Q8IZM4; Q8IZM5
UniProt Related Accession #	Q8TET4
GenBank Nucleotide #	NM_198141.2
NCBI Official Full Name	neutral alpha-glucosidase C isoform 1
NCBI Official Synonym Full Names	glucosidase, alpha; neutral C
NCBI Official Symbol	GANC
UniProt Protein Name	Neutral alpha-glucosidase C
Protein Family	Neutral alpha-glucosidase
UniProt Gene Name	GANC
UniProt Entry Name	GANC_HUMAN
NCBI Protein Information	neutral alpha-glucosidase C
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