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GNAS Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18552b

Specification

GNAS Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O95467

GNAS Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 2778

Other Names
Neuroendocrine secretory protein 55, NESP55, LHAL tetrapeptide, GPIPIRRH peptide, GNAS (HGNC:4392)

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GNAS Antibody (C-term) Blocking Peptide - Protein Information

Name GNAS (HGNC:4392)

Cellular Location
Cytoplasmic vesicle, secretory vesicle. Secreted. Note=Neuroendocrine secretory granules.

GNAS Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

GNAS Antibody (C-term) Blocking Peptide - Images

GNAS Antibody (C-term) Blocking Peptide - Background

This locus has a highly complex imprinted expressionpattern. It gives rise to maternally, paternally, and biallelicallyexpressed transcripts that are derived from four alternativepromoters and 5' exons. Some transcripts contains a differentiallymethylated region (DMR) at their 5' exons, and this DMR is

commonlyfound in imprinted genes and correlates with transcript expression.An antisense transcript is produced from an overlapping locus onthe opposite strand. One of the transcripts produced from thislocus, and the antisense transcript, are paternally expressednoncoding RNAs, and may regulate imprinting in this region. Inaddition, one of the transcripts contains a second overlapping ORF,which encodes a structurally unrelated protein - Alex. Alternativesplicing of downstream exons is also observed, which results indifferent forms of the stimulatory G-protein alpha subunit, a keyelement of the classical signal transduction pathway linkingreceptor-ligand interactions with the activation of adenylylcyclase and a variety of cellular reponses. Multiple transcriptvariants encoding different isoforms have been found for this gene.Mutations in this gene result in pseudohypoparathyroidism type 1a,pseudohypoparathyroidism type 1b, Albright hereditaryosteodystrophy, pseudopseudohypoparathyroidism, McCune-Albrightsyndrome, progressive osseus heteroplasia, polyostotic fibrousdysplasia of bone, and some pituitary tumors.

GNAS Antibody (C-term) Blocking Peptide - References

Idziaszczyk, S., et al. Cancer Genet. Cytogenet. 202(1):67-69(2010)Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Tominaga, E., et al. Gynecol. Oncol. 118(2):160-166(2010)Park, C.H., et al. Ann. Clin. Lab. Sci. 40(3):261-266(2010)Cross, D.S., et al. BMC Genet. 11, 51 (2010) :