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GUCA2B Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16404b

Specification

GUCA2B Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q16661

GUCA2B Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 2981

Other Names
Guanylate cyclase activator 2B, Guanylate cyclase C-activating peptide 2, Guanylate cyclase C-activating peptide II, GCAP-II, Uroguanylin, UGN, GUCA2B

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.

GUCA2B Antibody (C-term) Blocking Peptide - Protein Information

Name GUCA2B

Function
Endogenous activator of intestinal guanylate cyclase. It stimulates this enzyme through the same receptor binding region as the heat-stable enterotoxins. May be a potent physiological regulator of intestinal fluid and electrolyte transport. May be an autocrine/paracrine regulator of intestinal salt and water transport.

Cellular Location
Secreted.

Tissue Location
Stomach and intestine.

GUCA2B Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

GUCA2B Antibody (C-term) Blocking Peptide - Images

GUCA2B Antibody (C-term) Blocking Peptide - Background

Uroguanylin and guanylin (GUCA2A; MIM 139392), peptidehomologs of the bacterial heat-stable enterotoxins (e.g., the E.coli ST toxin; STa), are endogenous activators of the guanylatecyclase-2C receptor (GUCY2C; MIM 601330), which synthesizes cyclicGMP (cGMP), a key component of several intracellular signaltransduction pathways.

GUCA2B Antibody (C-term) Blocking Peptide - References

Yoshikawa, Y., et al. Hypertens. Res. 30(9):789-796(2007)Guo, H.F., et al. Zhonghua Xin Xue Guan Bing Za Zhi 35(3):233-236(2007)Sindic, A., et al. Kidney Int. 67(4):1420-1427(2005)Maake, C., et al. Histochem. Cell Biol. 119(1):69-76(2003)Sindice, A., et al. J. Biol. Chem. 277(20):17758-17764(2002)