

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), peptide homologs of the bacterial heat-stable enterotoxins (e.g., the E.coli ST toxin; STa), are endogenous activators of the guanylate cyclase-2C receptor (GUCY2C; MIM 601330), which synthesizes cyclicGMP (cGMP), a key component of several intracellular signal transduction 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)