

GUCA2B Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16404b**Specification**

GUCA2B Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q16661
Other Accession	NP_009033.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	12069
Antigen Region	69-97

GUCA2B Antibody (C-term) - 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

Target/Specificity

This GUCA2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 69-97 amino acids from the C-terminal region of human GUCA2B.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GUCA2B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GUCA2B Antibody (C-term) - 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.

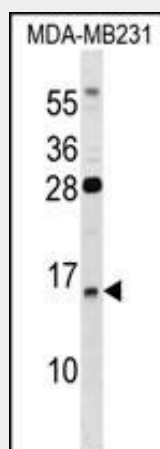
Tissue Location

Stomach and intestine.

GUCA2B Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GUCA2B Antibody (C-term) - Images

GUCA2B Antibody (C-term) (Cat. #AP16404b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the GUCA2B antibody detected the GUCA2B protein (arrow).

GUCA2B Antibody (C-term) - 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 cyclic GMP (cGMP), a key component of several intracellular signal transduction pathways.

GUCA2B Antibody (C-term) - 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)