

Data Sheet

HUMAN UROGUANYLIN (aa 1-8)

ANTIBODY, POLYCLONAL

Catalog no.:	AE1066.1 / AE1066.2
Immunogen:	Human Uroguanylin (aa 1-8) circulating form (FKTLRTIA)
Synonyms:	GCAP II, Guanylate cyclase activator 2
Swiss-Prot No:	Q16661
Gene Information:	Gene Name: GUCA2B GenelD: 2981
Host:	Rabbit
Matrix:	Serum
Specificity:	Human Uroguanylin circulating form (GCAP-II)
Contents:	20 µl / 100 µl (lyophilized) Resuspend in 20 µl / 100 µl aqua bidest.
Known applications:	RIA (1:10 000), ELISA (1:2000), Western Blot (1:1000), immunohistochemistry (acrylic resin, 1:800) ² This antibody has not been tested for use in all applications. This does not necessarily exclude its use for non-tested procedures. The stated dilutions are recommendations only. We suggest that the applicant titrates the antibody in his/her system using appropriate negative/positive controls.

Store at: 2-8 °C (lyophilized); - 20 °C (dissolved)
Repeated thawing and freezing must be avoided

References:

- Hess R, Kuhn M, Schulz-Knappe P, Raida M, Fuchs M, Klodt J, Adermann K, Kaever V, Cetin Y, Forssmann WG (1995). GCAP-II: isolation and characterization of the circulating form of human uroguanylin. *FEBS Lett* **374**(1): 34-38.
- Mägert H-J, Reinecke M, David I, Hans-Rudolf R, Adermann K, Zucht H-D, Hill O, Rüdiger H, Forssmann W-G (1998). Uroguanylin: Gene structure, expression, processing as a peptide hormone, and co-storage with somatostatin in gastrointestinal D-cells. *Regul Pept* **73**(3): 165-176.

Last updated on: 22 April 2022

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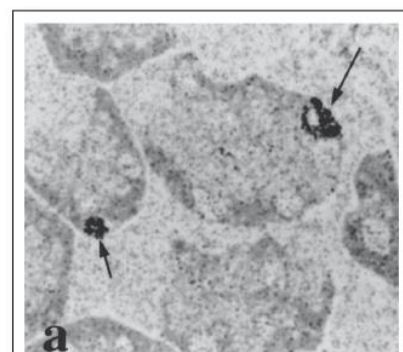


Figure 1: Immunohistochemistry image of uroguanylin staining in LR White resin section of human gastric mucosa. The section was incubated with AE1066 (1:800) overnight at 4°C and detected using biotinylated secondary antibody with AuroProbe EM streptavidin and IntenSe M silver enhancement kit (both Amersham Int., Little Chalfont, UK). The section was counterstained with methylene-azure blue. AE1066 detects uroguanylin in in D-cells of gastric mucosa (arrows).

Mägert HJ et al. (1998) *Regul Pept* **73**(3):165-76.

