

## Product datasheet

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# ARG59590 anti-Uroguanylin antibody

Package: 100 μl Store at: -20°C

### **Summary**

Product Description Rabbit Polyclonal antibody recognizes Uroguanylin

Tested Reactivity Ms
Tested Application WB
Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name Uroguanylin

Species Human

Immunogen Synthetic peptide within aa. 1-100 of Human Uroguanylin (NP\_009033.1).

Conjugation Un-conjugated

Alternate Names Guanylate cyclase C-activating peptide II; Guanylate cyclase activator 2B; UGN; GCAP-II

#### **Application Instructions**

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse small intestine	
Observed Size	12 kDa	

#### **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol GUCA2B

Gene Full Name guanylate cyclase activator 2B (uroguanylin)

Background This gene encodes a member of the guanylin family, and is expressed in the stomach and intestine. This

protein functions as an endogenous ligand for the guanylate cyclase-C receptor and stimulates an increase in cyclic GMP, a key component of several intracellular signal transduction pathways. It maybe involved in salt and water secretion into the intestinal lumen as well as the renal tubules, and thus

regulate electrolyte homeostasis in these tissues. [provided by RefSeq, Oct 2011]

**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

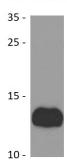
water transport. [UniProt]

Calculated Mw 12 kDa

Cellular Localization Secreted. [UniProt]

#### **Images**

#### Mouse small intestine



#### ARG59590 anti-Uroguanylin antibody WB image

Western blot: 25  $\mu g$  of Mouse small intestine lysate stained with ARG59590 anti-Uroguanylin antibody at 1:1000 dilution.