

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	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:500 - 1:2000</td></tr> </table>	Application	Dilution	WB	1:500 - 1:2000
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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 µg of Mouse small intestine lysate stained with ARG59590 anti-Uroguanylin antibody at 1:1000 dilution.