

GUCA2B Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57506**Specification**

GUCA2B Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q16661
Reactivity	Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GUCA2B
Epitope Specificity	89-112/112
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
SIMILARITY	Belongs to the guanylin family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

The family of guanylin regulatory peptides, including guanylin and uroguanylin, are strongly expressed in intestinal mucosa and regulate intestinal fluid secretion during digestion. Guanylin are also involved in acid neutralization and the regulation of membrane-bound guanylate cyclase signaling molecules. Guanylin and uroguanylin are secreted primarily in the stomach, intestine, and colon. Uroguanylin is an endogenous activator of intestinal guanylate cyclase. It is a paracrine and/or autocrine regulator of intestinal water and salt transport. Uroguanylin stimulates intestinal guanylate cyclase through the same receptor binding region as the heat-stable enterotoxins. Uroguanylin is involved in the regulation of intestinal fluid and electrolyte transport.

GUCA2B Polyclonal Antibody - 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

Stomach and intestine.

Dilution

IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br
\>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

GUCA2B Polyclonal Antibody - 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 Polyclonal Antibody - 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 Polyclonal Antibody - Images