

Guanylin Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54570**Specification**

Guanylin Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q02747
Reactivity	Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	10 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Guanylin
Epitope Specificity	22-115/115
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. Guanylin is also detected in plasma. Guanylin is an endogenous activator of intestinal guanylate cyclase. It stimulates intestinal guanylate cyclase through the same receptor binding region as the heat-stable enterotoxins. Gut enterochromaffin cells synthesize guanylin to be a prohormone of 115 amino acids which is then processed to the molecular form of 94 amino acids. This 10kDa form is found circulating in the blood.

Guanylin Polyclonal Antibody - Additional Information**Gene ID** 2980**Other Names**

Guanylin, Guanylate cyclase activator 2A, Guanylate cyclase-activating protein 1, Guanylate cyclase-activating protein I, GCAP-I, HMW-guanylin, Guanylin, GUCA2A, GUCA2

Target/Specificity

Highly expressed in ileum and colon. Found in plasma.

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
ICC ~ ~ N/A
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.

Guanylin Polyclonal Antibody - Protein Information

Name GUCA2A

Synonyms GUCA2

Function

Endogenous activator of intestinal guanylate cyclase. It stimulates this enzyme through the same receptor binding region as the heat-stable enterotoxins.

Cellular Location

Secreted.

Tissue Location

Highly expressed in ileum and colon. Found in plasma

Guanylin 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](#)

Guanylin Polyclonal Antibody - Images