



BMA BIOMEDICALS



Peninsula Laboratories

T-4599

Rabbit anti Guanylin (rat) [UniProt: P28902]

Guanylin is a 15 amino acid polypeptide that is secreted by goblet cells in the colon. It acts as an agonist of the guanylyl cyclase receptor GC-C and regulates electrolyte and water transport in intestinal and renal epithelia. Upon receptor binding, guanylin increases the intracellular concentration of cGMP, induces chloride secretion and decreases intestinal fluid absorption, ultimately causing diarrhoea. The peptide stimulates the enzyme through the same receptor binding region as the heat-stable enterotoxins.

This antibody was generated by immunization of rabbits with Guanylin coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	031691
Host species:	Rabbit IgG
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against Guanylin. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.

Cross-Reactivity:

PEPTIDE:	%:
Guanylin (rat)	100
Galanin (human)	0
Gastrin I (human)	0
Glucagon (1-29) (human, bovine, porcine)	0
Insulin (human)	0
rec IGF-1 (human)	0
Met-Enkephalin	0
PHM-27 (human)	0
Substance P	0
VIP (human, bovine, porcine, rat)	0
NPY (porcine)	0
ANF (1-28) (human)	0
Endothelin-1 (human, dog, porcine, rat, mouse, bovine)	0
Amylin (human)	0
PACAP-38 (ovine, human, rat)	0

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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rabbit IgG

1.3.2021