



Anti-Guanylin (aa 80-94) polyclonal antibody (DPAB3201RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal antibody to human Guanylin (aa 80-94) [active peptide]
Antigen Description	Guanylin is a 15 amino acid polypeptide that is secreted by goblet cells in the colon. Guanylin 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.
Specificity	Synthetic human Guanylin (aa 80-94). Recognizes the intracellular form of Guanylin (aa 1-115) and the native circulating peptide in human blood
Immunogen	Synthetic human Guanylin (aa 80-94) active peptide (PGTCEFCAYAACTGC)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA
Concentration	20 µl / 100 µl (lyophilized). Resuspend in 20 µl / 100 µl aqua bidest
Preservative	None
Storage	2-8 °C (lyophilized); - 20 °C (dissolved). Repeated thawing and freezing must be avoided

GENE INFORMATION

Gene Name	GUCA2A guanylate cyclase activator 2A (guanylin) [Homo sapiens]
Official Symbol	GUCA2A
Synonyms	GUCA2A; guanylate cyclase activator 2A (guanylin); GUCA2; STARA; GCAP-I; guanylin; OTTHUMP00000007926; guanylate cyclase-activating protein 1; guanylate cyclase-activating protein I; guanylate cyclase activator 2A (guanylin 2, intestinal, heat-stable)
Entrez Gene ID	2980
Protein Refseq	NP_291031
UniProt ID	Q02747
Chromosome Location	1p35
Pathway	Myometrial Relaxation and Contraction Pathways.
Function	guanylate cyclase activator activity; hormone activity