



# Anti-Intestinal Guanylat Cyclase (aa 421-433) polyclonal antibody (DPAB3195)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to IGC
<b>Specificity</b>	Synthetic rat intestinal Guanylat Cyclase (aa 421-433)
<b>Immunogen</b>	Synthetic rat intestinal Guanylat Cyclase (aa 421-433) poly Lysin conjugated
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Rat
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	serum
<b>Concentration</b>	20 µl / 100 µl (lyophilized) resuspend in 20 µl / 100 µl aqua bidest
<b>Preservative</b>	None
<b>Storage</b>	2-8°C (lyophilized); - 20°C (dissolved) Repeated thawing and freezing must be avoided

## BACKGROUND

<b>Introduction</b>	Guanylate Cyclase is an heterodimer of an alpha and a beta chain. Its enzymatic activity transforms GTP to GMP releasing a diphosphate. It binds 1 or 2 hemes per heterodimer. It is activated by nitric oxide in the presence of magnesium or manganese ions. There are two types of guanylate cyclase: soluble form and membrane-associated receptor form.
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**Keywords**

GC SB2; GCS BETA 2; Guanylate cyclase 1 soluble beta 2; Guanylate cyclase soluble beta 2 chain; GUCY1B2; Gucy1b2a; Gucy1b2b; SGC; IGC; intestinal Guanylat Cyclase

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## GENE INFORMATION

**Entrez Gene ID**

[25206](#)

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**UniProt ID**

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