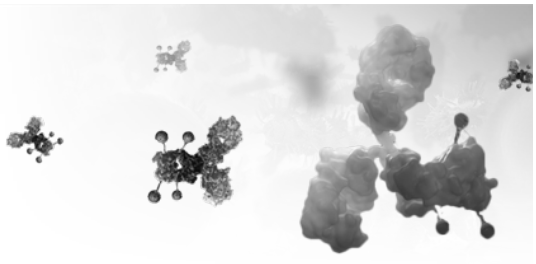

Rabbit anti-Human Cyclic Guanosine Monophosphate Polyclonal antibody (DPAB3179)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to cGMP
Specificity	Synthetic human cGMP, no cross-reactivity with cAMP
Immunogen	Synthetic human cGMP, poly Lysin conjugated
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	RIA
Format	Serum
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

BACKGROUND

Introduction	Cyclic guanosine monophosphate (cGMP) serves as a second messenger in a manner similar to that observed with cAMP. Peptide hormones, such as the natriuretic factors, activate

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	receptors that are associated with membrane-bound guanylate cyclase (GC). Receptor activation of GC leads to the conversion of GTP to cGMP. Nitric oxide (NO) also stimulates cGMP production by activating soluble GC, perhaps by binding to the heme moiety of the enzyme. Similar to cAMP, cGMP mediates most of its intracellular effects through the activation of specific cGMP dependent protein kinases (PKG).
Keywords	Cyclic GMP; Cyclic guanosine monophosphate; Guanosine 3 5 Cyclic Monophosphate; cGMP; Cyclic guanosine monophosphate

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