

Product datasheet for **AP23444SU-S**

cyclic GMP Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	R
Recommended Dilution:	RIA Antigen binding capacity: Dilutions 1/2000 bound 45-50% of the labelled (radioactive) nucleotide.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Succinyl cGMP- Human Serum Albumin conjugate
Specificity:	Cross-reactivity at 50% displacement: cAMP < 0.0005% GTP < 0.00001% ATP < 0.00001%
Formulation:	State: Serum State: Lyophilized Serum
Reconstitution Method:	Restore in aqua bidest to initial volume.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C and reconstituted at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Background:	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 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).
Synonyms:	cGMP, cyclic guanosine monophosphate



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