

**cGMP Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10418****Specification**

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**cGMP Antibody - Product Information**

Application	<b>E</b>
Reactivity	<b>All Species</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>

**cGMP Antibody - Additional Information**

Application & Usage	<b>1:10-50 dilutions for nonradioactive EIA assays (10 µl/assay in an 70 µl assay reaction). The material is sufficient for performing 100-500 nonradioactive EIA assays or 6,000 radioactive assays. Detect 0.1-10 pmol/assay in a 70 µl assay reaction using nonradioactive method.</b>
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**Other Names**  
Cyclic GMP , Cyclic guanosine monophosphate

**Target/Specificity**  
cGMP

**Antibody Form**  
Liquid

**Appearance**  
Colorless liquid

**Formulation**  
100 µl succinylated cGMP affinity purified rabbit IgG in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% thimerosal.

**Handling**  
The antibody solution should be gently mixed before use.

**Reconstitution & Storage**  
-20 °C

**Background Descriptions**

**Precautions**  
cGMP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **cGMP Antibody - Protein Information**

## **cGMP Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **cGMP Antibody - Images**

## **cGMP Antibody - 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).