Datasheet for ABIN750740

# anti-Cyclic GMP antibody (FITC)

Go to Product page

## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | Cyclic GMP (cGMP) |
| Reactivity: | Please inquire |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Cyclic GMP antibody is conjugated to FITC |
| Application: | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

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|---|---|
| Immunogen: | OVA conjugated cGMP |
| Isotype: | IgG |
| Specificity: | Due to the fact that BSA is used as the carrier, this antibody will cross-react with Albumin. |
| Cross-Reactivity: | Rat |
| Cross-Reactivity (Details): | cGMP |
| Purification: | Purified by Protein A. |

## Target Details

| | |
|---|---|
| Target: | Cyclic GMP (cGMP) |
| Alternative Name: | Cgmp (cGMP Products) |

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## Target Details

| | |
|---|---|
| Target Type: | Chemical |
| Background: | Synonyms: Cyclic GMP, Cyclic guanosine monophosphate, Guanosine 3 5 Cyclic Monophosphate.<br>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). |

## Application Details

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|---|---|
| Application Notes: | IF(IHC-P) 1:50-200 |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |

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