Datasheet for ABIN750738

anti-Cyclic GMP antibody (Cy5.5)

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Overview

Quantity:	100 µL
Target:	Cyclic GMP (cGMP)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclic GMP antibody is conjugated to Cy5.5
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

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)
Target Type:	Chemical

Target Details

Background:	Synonyms: Cyclic GMP, Cyclic guanosine monophosphate, Guanosine 3 5 Cyclic Monophosphate. 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

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

Handling

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