bs-3892R

## [ Primary Antibody ]

## BIOSS

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**Reactivity:** Species independent

## – DATASHEET –

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

cGMP Rabbit pAb

Target: cGMP

Purification: affinity purified by Protein A

Concentration: 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

**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).

**Applications: IHC-P** (1:100-500)

IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000)

Predicted MW.: 0.34521 kDa

## - SELECTED CITATIONS -

- [IF=9.685] Son, Youlim. et al. Mdm1 ablation results in retinal degeneration by specific intraflagellar transport defects of photoreceptor cells. CELL DEATH DIS. 2022 Sep;13(9):1-12 IF; MOUSE. 36171205
- [IF=6.1] Zhi-Yong An. et al. Chenodeoxycholic acid improves oocyte maturation and embryo quality during bisphenol A exposure by activating the EGFR-ERK1/2 signaling pathway. ECOTOX ENVIRON SAFE. 2025 Sep;302:118725 IF; Pig. 40712544