

GCS β 1 (PT2237R) PT™ Rabbit mAb

CatalogNo: YM960502 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 71kD (Calculated)
- 68kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:200-1:1000**WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000**

Basic Information

Clonality Monoclonal**Clone Number** PT2237R

Immunogen Information

Immunogen The specific immunogen used to produce this antibody is proprietary information.**Specificity** Endogenous

Target Information

Gene name GUCY1B3

Protein Name Guanylate cyclase soluble subunit beta-1

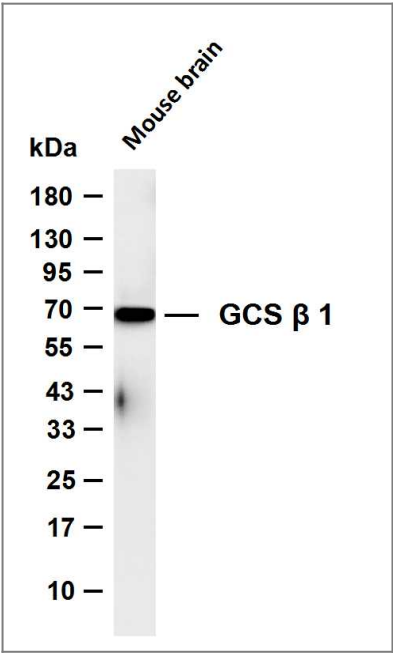
Organism	Gene ID	UniProt ID
Human	2983;	Q02153;
Mouse	54195;	O54865;
Rat	25202;	P20595;

Cellular Localization Cytoplasm .

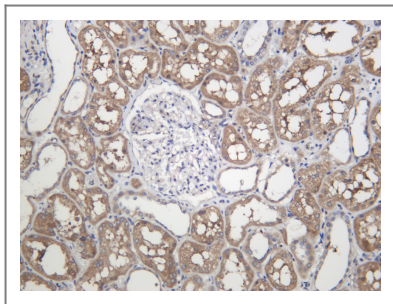
Tissue specificity Detected in brain cortex and cerebellum (at protein level) .

Function Catalytic activity:GTP = 3' ,5'-cyclic GMP + diphosphate. ,cofactor:Binds 1 or 2 heme groups per heterodimer. ,enzyme regulation:Activated by nitric oxide in the presence of magnesium or manganese ions. ,miscellaneous:There are two types of guanylate cyclases: soluble forms and membrane-associated receptor forms. ,similarity:Belongs to the adenylyl cyclase class-4/guanylyl cyclase family. ,similarity:Contains 1 guanylate cyclase domain. ,subunit:Heterodimer of an alpha and a beta chain. ,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-GCS β 1 (PT2237R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Mouse brain Predicted band size: 71kDa Observed band size: 68kDa



Human kidney was stained with anti-GCS β 1 (PT2237R) Rabbit antibody

| Contact information

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