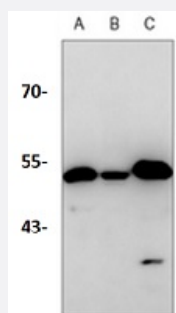


RecomAb™

PGD recombinant monoclonal antibody

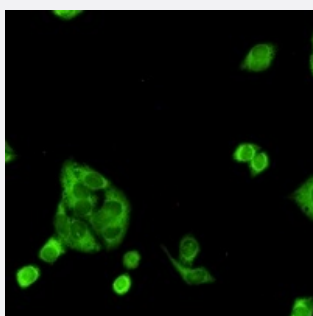
Catalog # RAB02418 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of C6 (A), NIH3T3 (B), HeLa (C) whole cell lysates with PGD recombinant monoclonal antibody (Cat # RAB02418).



Immunofluorescence

Immunofluorescent analysis of HeLa cells with PGD recombinant monoclonal antibody (Cat # RAB02418). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against recombinant PGD.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human PGD.
Theoretical MW (kDa)	52
Reactivity	Human, Mouse, Rat
Specificity	Recognizes endogenous levels of PGD protein.

Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunoprecipitation(1:10-1:50) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of C6 (A), NIH3T3 (B), Hela (C) whole cell lysates with PGD recombinant monoclonal antibody (Cat # RAB02418).

- Immunocytochemistry

- Immunofluorescence

Immunofluorescent analysis of HeLa cells with PGD recombinant monoclonal antibody (Cat # RAB02418). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

- Immunoprecipitation

Gene Info — PGD

Entrez GeneID [5226](#)

Protein Accession# [P52209](#)

Gene Name	PGD
Gene Alias	6PGD
Gene Description	phosphogluconate dehydrogenase
Omim ID	172200
Gene Ontology	Hyperlink
Gene Summary	6-phosphogluconate dehydrogenase is the second dehydrogenase in the pentose phosphate shunt. Deficiency of this enzyme is generally asymptomatic, and the inheritance of this disorder is autosomal dominant. Hemolysis results from combined deficiency of 6-phosphogluconate dehydrogenase and 6-phosphogluconolactonase suggesting a synergism of the two enzymopathies. [provided by RefSeq]
Other Designations	6-phosphogluconate dehydrogenase

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of plant hormones](#)
- [Glutathione metabolism](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)

Disease

- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Liver Neoplasms](#)