PGD Rabbit monoclonal antibody

Catalog: MB66264 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

6-phosphogluconate dehydrogenase (PGD or 6PGD) catalyzes the conversion of 6-phosphogluconate and NADP+ to ribulose 5-phosphate and NADPH in the pentose phosphate pathway. Research studies show that knockdown of PGD results in the induction of senescence and inhibition of growth of lung cancer cells. Additional research suggests that PGD influences the migration of some cancer cells by regulating c-Met phosphorylation state. Furthermore, it was shown that the glycolytic enzyme PGAM1 substrate (3-phosphoglycerate) regulates the pentose phosphate pathway by deactivating PGD/6PGD.

Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

Molecular Weight:

~ 52 kDa

Swiss-Prot:

P52209

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IF/ICC (1/50 - 1/100), IP (1/10 - 1/50)

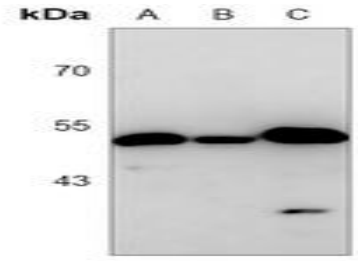
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

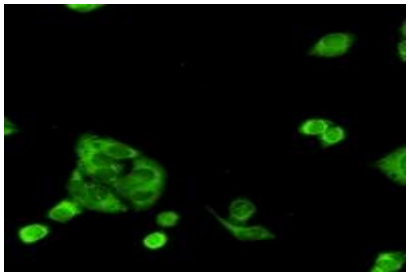
Specificity:

Recognizes endogenous levels of PGD protein.

DATA:



Western blot analysis of PGD expression in C6 (A), NIH3T3 (B), Hela (C) whole cell lysates.



Immunofluorescent analysis of PGD staining in HeLa cells. 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 ℃ in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151