

Anti-PGM1 antibody ab55616

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概述

产品名称	Anti-PGM1抗体
描述	小鼠单克隆抗体to PGM1
宿主	Mouse
经测试应用	适用于: WB, ICC/IF, Flow Cyt, IP
种属反应性	与反应: Human
免疫原	Recombinant full length protein, corresponding to amino acids 1-563 of Human PGM1

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab55616于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

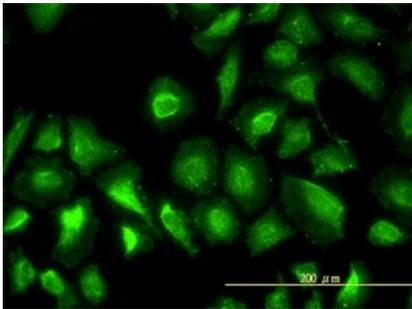
应用	Ab评论	说明
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 61 kDa.
ICC/IF		Use a concentration of 20 µg/ml.

应用	Ab评论	说明
Flow Cyt		Use 1 μ g for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IP		Use at an assay dependent concentration.

靶标

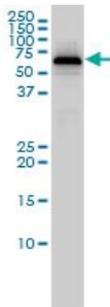
功能	This enzyme participates in both the breakdown and synthesis of glucose.
疾病相关	Defects in PGM1 are the cause of glycogen storage disease type 14 (GSD14) [MIM:612934]. A metabolic disorder resulting in a myopathy characterized by exercise-induced intolerance with episodes of rhabdomyolysis, normal elevation of lactate, and hyperammonemia on a forearm-exercise test.
序列相似性	Belongs to the phosphohexose mutase family.
细胞定位	Cytoplasm.

图片



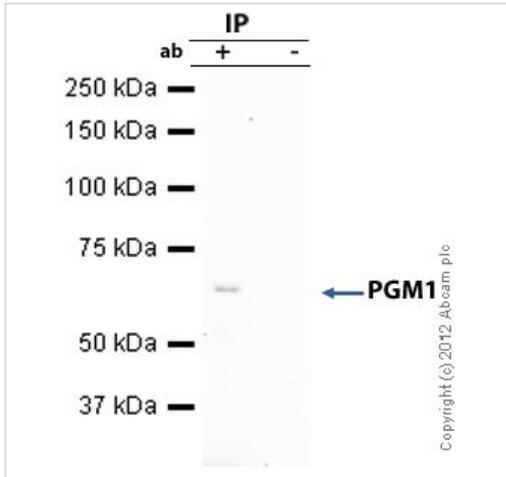
PGM1 antibody (ab55616) used in immunofluorescence at 20ug/ml on HeLa cells.

Immunocytochemistry/ Immunofluorescence - Anti-PGM1 antibody (ab55616)



PGM1 antibody (ab55616) at 1ug/lane + Jurkat cell lysate at 25ug/lane.

Western blot - Anti-PGM1 antibody (ab55616)



Immunoprecipitation - Anti-PGM1 antibody (ab55616)

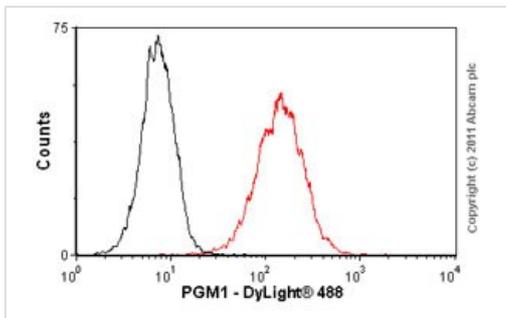
PGM1 was immunoprecipitated using 0.5mg HeLa whole cell extract, 5µg of Mouse monoclonal to PGM1 (ab55616) and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, HeLa whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab55616.

Secondary: Goat polyclonal to mouse IgG light chain specific (HRP) at 1/5000 dilution.

Band: 65kDa: PGM1.



Flow Cytometry - Anti-PGM1 antibody (ab55616)

Overlay histogram showing HeLa cells stained with ab55616 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab55616, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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