

PGP polyclonal antibody

Catalog: BS32543

Host: Rabbit

Reactivity: Human

BackGround:

Phosphoglycolate phosphatase: Phosphatase with activity against multiple substrates . Acts as a metabolite repair enzyme which eliminates toxic glycolytic side products . Dephosphorylates 2-phosphoglycolate which is generated during the repair of oxidative DNA lesions . This controls triosephosphate isomerase activity, glycerolipid partitioning and cell proliferation in the embryo and is required for embryonic development (By similarity). Dephosphorylates 4-phosphoerythronate, a side product which is produced by GAPDH and which inhibits 6-phosphogluconate dehydrogenase . Dephosphorylation of 4-phosphoerythronate prevents the accumulation of high 4-phosphoerythronate levels which would otherwise inhibit the pentose phosphate pathway . Dephosphorylates 2-phospho-L-lactate which is a product of a pyruvate kinase side reaction . This prevents the inhibition of fructose-2,6-bisphosphate production and allows glycolysis...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~34.0 kDa

Swiss-Prot:

A6NDG6

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200), FC (1/10 - 1/50)

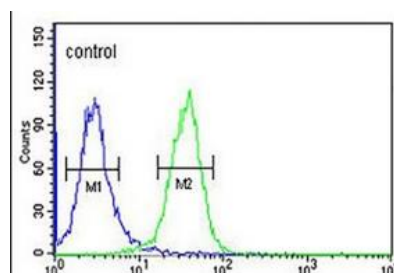
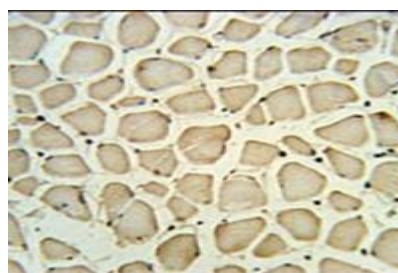
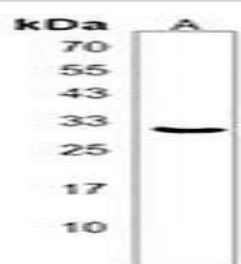
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of PGP protein.

DATA:



Note:

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

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