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PGP Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9853a

Specification

PGP Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	A6NDG6
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**33-62**

PGP Antibody (N-term) - Additional Information

Gene ID 283871

Other Names
Phosphoglycolate phosphatase, PGP, PGPase, PGP

Target/Specificity
This PGP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 33-62 amino acids from the N-terminal region of human PGP.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PGP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PGP Antibody (N-term) - Protein Information

Name PGP (HGNC:8909)

Function Glycerol-3-phosphate phosphatase hydrolyzing glycerol-3- phosphate into glycerol. Thereby, regulates the cellular levels of glycerol-3-phosphate a metabolic intermediate of glucose,

lipid and energy metabolism. Was also shown to have a 2-phosphoglycolate phosphatase activity and a tyrosine-protein phosphatase activity. However, their physiological relevance is unclear (PubMed:26755581). In vitro, has also a phosphatase activity toward ADP, ATP, GDP and GTP (By similarity).

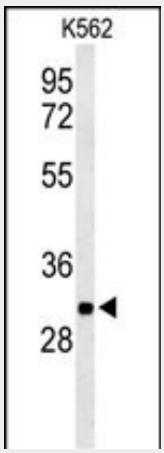
Tissue Location
Detected in all tissues including red cells, lymphocytes and cultured fibroblasts (at protein level). The highest activities occur in skeletal muscle and cardiac muscle

PGP Antibody (N-term) - Protocols

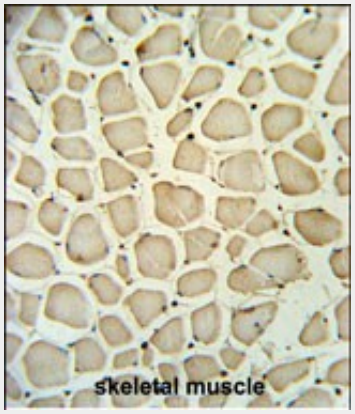
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PGP Antibody (N-term) - Images



Western blot analysis of PGP Antibody (N-term) (Cat. #AP9853a) in K562 cell line lysates (35ug/lane). PGP (arrow) was detected using the purified Pab.



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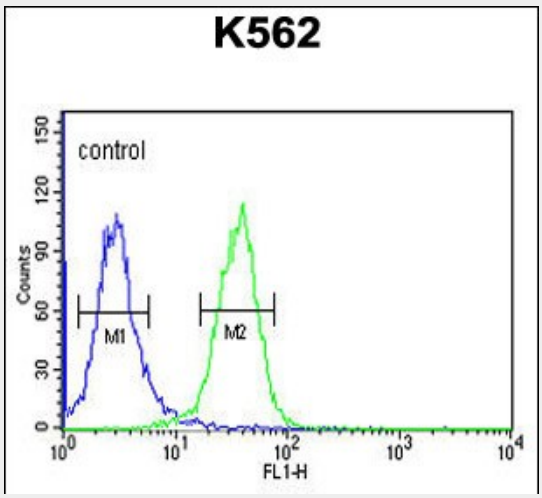
PGP Antibody (N-term) (Cat. #AP9853a) IHC analysis in formalin fixed and paraffin embedded skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PGP Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



PGP Antibody (N-term) (Cat. #AP9853a) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

PGP Antibody (N-term) - References

Garcia, M.G., et al. Leuk. Res. 33(2):288-296(2009)
Lin, Y.C., et al. Ther Drug Monit 28(5):668-672(2006)
de Leon, J., et al. J Clin Psychopharmacol 25(5):448-456(2005)
Turzanski, J., et al. Exp. Hematol. 33(1):62-72(2005)