

## ARG43875 anti-PGP antibody

Package: 50 μg Store at: -20°C

# Summary

Product Description	Rabbit Polyclonal antibody recognizes PGP
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	lgG
Target Name	PGP
Species	Human
Immunogen	Human PGP recombinant protein
Conjugation	Un-conjugated
Alternate Names	PGP; Phosphoglycolate Phosphatase; Aspartate-Based Ubiquitous Mg(2+)-Dependent Phosphatase; Glycerol-3-Phosphate Phosphatase; G3PP; AUM; EC 3.1.3.21; EC 3.1.3.48; EC 3.1.3.18; EC 3.1.3; PGPase

## **Application Instructions**

Application table	Application	Dilution
	ELISA	0.1-0.5 μg/ml
	FACS	1-3 μg / 10^6 cells
	ICC/IF	5 μg/ml
	IHC-P	2-5 μg/ml
	WB	0.25-0.5 μg/ml
Application Note	* The dilutions indicate recomme should be determined by the scie	ended starting dilutions and the optimal dilutions or concentrations entist.

### Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4 and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

### **Bioinformation**

Gene Symbol	PGP
Gene Full Name	Phosphoglycolate Phosphatase
Background	Enables glycerol-3-phosphatase activity and phosphoglycolate phosphatase activity. Involved in glycerol biosynthetic process; glycerophospholipid metabolic process; and negative regulation of gluconeogenesis. Predicted to be active in cytoplasm. [provided by Alliance of Genome Resources, Apr 2022]
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.
Calculated Mw	34 kDa
Cellular Localization	Cytoplasm

### Images



### ARG43875 anti-PGP antibody IHC-P image

Immunohistochemistry: Human lung cancer stained with ARG43875 anti-PGP antibody at 2  $\mu g/ml$  dilution.



#### ARG43875 anti-PGP antibody ICC/IF image

Immunofluorescence: PC-3 cells stained with ARG43875 anti-PGP antibody at 5  $\mu g/ml$  dilution.



#### ARG43875 anti-PGP antibody WB image

Western blot: Hela, MCF-7, 293T, Rat brain, Rat lung Mouse brain, and Mouse lung stained with ARG43875 anti-PGP antibody at 0.5  $\mu g/mL$  dilution.



#### ARG43875 anti-PGP antibody FACS image

Flow Cytometry: PC-3 cells stained with ARG43875 anti-PGP antibody (blue) at 1  $\mu g/1 \times 10^{-6}$  cells dilution.



#### ARG43875 anti-PGP antibody IHC-P image

Immunohistochemistry: Human endometrial adenocarcinoma stained with ARG43875 anti-PGP antibody at 2  $\mu g/ml$  dilution.