

Rabbit anti-Human, Mouse PGP Polyclonal Antibody | anti-PGP antibody

Rabbit anti-PGP Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213376	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

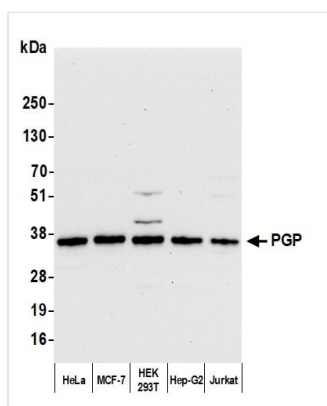
PRODUCT SYNONYMS

PGP; Polyclonal Antibody; Rabbit anti-PGP Antibody; Affinity Purified; AUM; Phosphoglycolate phosphatase; PGPase; aspartate-based ubiquitous Mg(2+)-dependent phosphatase; G3PP; glycerol-3-phosphate phosphatase; Glycerol-3-phosphate phosphatase; phosphoglycolate phosphatase; anti-PGP antibody

PRODUCT SPECIFICATIONS

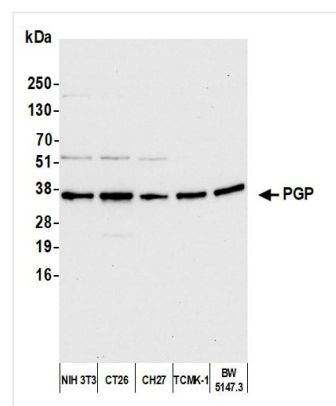
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PGP antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Bovine
Immunogen	Between 271 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



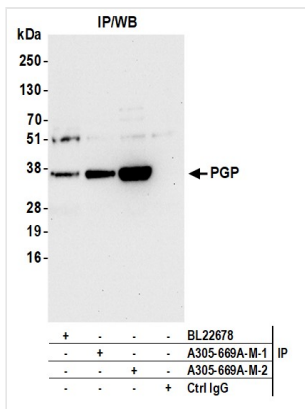
WB (Western Blot)

Detection of human PGP by western blot. Samples: Whole cell lysate (10 ug) from HeLa, MCF-7, HEK293T, Hep-G2, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PGP antibody (AAA213376 lot 2) used for WB at 0.4 mg/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



WB (Western Blot)

Detection of mouse PGP by western blot. Samples: Whole cell lysate (10 ug) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PGP antibody (AAA213376 lot 2) used for WB at 0.4 mg/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human PGP by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PGP antibody (AAA213376 lot 2) used for IP at 6 ug per reaction. PGP was also immunoprecipitated by a previous lot of this antibody (AAA213376 lot 1) and a second antibody against a different epitope of PGP (BL22678). For blotting immunoprecipitated PGP, AAA213376 was used at 0.4 mg/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-PGP antibody	Glycerol-3-phosphate phosphatase (PGP) hydrolyzes glycerol-3-phosphate into glycerol. It regulates the cellular levels of glycerol-3-phosphate a metabolic intermediate of glucose, lipid and energy metabolism. Has been 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) [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/A6NDG6].
Product Categories/Family for anti-PGP antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	108796653
NCBI GeneID	283871
NCBI Accession #	NP_001035830.1
NCBI GenBank Nucleotide #	NM_001042371.2
UniProt Accession #	A6NDG6
Molecular Weight	34,006 Da
NCBI Official Full Name	phosphoglycolate phosphatase
NCBI Official Synonym Full Names	phosphoglycolate phosphatase
NCBI Official Symbol	PGP
NCBI Official Synonym Symbols	PGPase
NCBI Protein Information	phosphoglycolate phosphatase
UniProt Protein Name	Phosphoglycolate phosphatase
UniProt Gene Name	PGP
UniProt Synonym Gene Names	PGP; PGPase
UniProt Entry Name	PGP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pgp-antibody-immunoprecipitation-western-blot-elisa/213376>