

Rabbit anti-Human PGD Polyclonal Antibody | anti-PGD antibody

Rabbit anti-PGD Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213249	Rabbit	Human	Immunoprecipitation, Western Blot

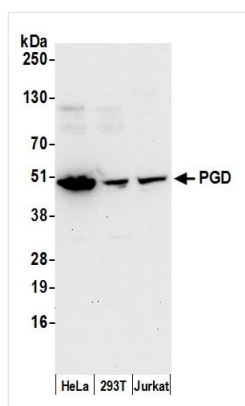
PRODUCT SYNONYMS

PGD; Polyclonal Antibody; Rabbit anti-PGD Antibody; Affinity Purified; 6PGD; 6-phosphogluconate dehydrogenase; decarboxylating; phosphogluconate dehydrogenase; anti-PGD antibody

PRODUCT SPECIFICATIONS

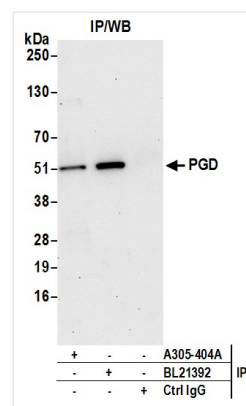
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PGD antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat
Immunogen	Between 200 and 250
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 PGD by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PGD antibody AAA213249 (lot AAA213249-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human PGD by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PGD antibody AAA213249 (lot AAA213249-1) used for IP at 6 ug per reaction. PGD was also immunoprecipitated by rabbit anti-PGD antibody BL21392. For blotting immunoprecipitated PGD, AAA213249 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-PGD antibody	6-phosphogluconate dehydrogenase (PGD) is the second dehydrogenase in the pentose phosphate shunt. Deficiency of this enzyme is generally asymptomatic, and the inheritance of this disorder is autosomal dominant. Hemolysis results from combined deficiency of 6-phosphogluconate dehydrogenase and 6-phosphogluconolactonase suggesting a synergism of the two enzymopathies[taken from NCBI Entrez Gene (Gene ID: 5226)].
Product Categories/Family for anti-PGD antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	40068518
NCBI GeneID	5226
NCBI Accession #	NP_002622.2
NCBI GenBank Nucleotide #	NM_002631.2
UniProt Accession #	P52209; Q9BWD8; A8K2Y9
Molecular Weight	53,140 Da
NCBI Official Full Name	6-phosphogluconate dehydrogenase, decarboxylating
NCBI Official Synonym Full Names	phosphogluconate dehydrogenase
NCBI Official Symbol	PGD
NCBI Official Synonym Symbols	6PGD
NCBI Protein Information	6-phosphogluconate dehydrogenase, decarboxylating
UniProt Protein Name	6-phosphogluconate dehydrogenase, decarboxylating
UniProt Gene Name	PGD
UniProt Synonym Gene Names	PGDH
UniProt Entry Name	6PGD_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://www.aaabiotech.com/polyclonal/pgd-antibody-immunoprecipitation-western-blot-elisa/213249>