

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

Anti-PGD Antibody, Rabbit Polyclonal

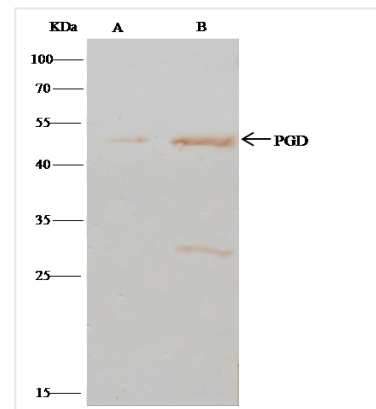
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254893	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

PGD; Polyclonal Antibody; Anti-PGD Antibody; Rabbit Polyclonal; PGD Antibody; Rabbit PAb; Antigen Affinity Purified; phosphogluconate dehydrogenase; Anti-6PGD Antibody; anti-PGD antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PGD
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PGD antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human PGD Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human PGD (rh PGD). PGD specific IgG was purified by Human PGD affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

PGD was immunoprecipitated using: Lane A: 0.5 mg Raji Whole Cell Lysate; Lane B: 0.5 mg, MOLT-4 Whole Cell Lysate; Lane C: 0.5 mg A549 Whole Cell Lysate; 4 uL anti-PGD rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-PGD rabbit polyclonal antibody, at 1:100 dilution; Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution; Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 53 kDa; Observed band size: 53 kDa

References

Baillet A, et al. (2011) Coupling of 6-phosphogluconate dehydrogenase with NADPH oxidase in neutrophils: Nox2 activity regulation by NADPH availability. FASEB J. 25(7): 2333-43. Rho HK, et al. (2005) Transcriptional regulation of mouse 6-phosphogluconate dehydrogenase by ADD1/SREBP1c. Biochem Biophys Res Commun. 332(1): 288-96. Broedel SE, et al. (1990). Genetic tagging, cloning, and DNA sequence of the *Synechococcus* sp. strain PCC 7942 gene (*gnd*) encoding 6-phosphogluconate dehydrogenase. J Bacteriol. 172 (7): 4023-31. Adams MJ, et al. (1983). The three dimensional structure of sheep liver 6-phosphogluconate dehydrogenase at 2.6 Å resolution. EMBO J. 2 (6): 1009-14.

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/254893>