

Rabbit PGD Polyclonal Antibody | anti-PGD antibody

PGD Antibody (Center)

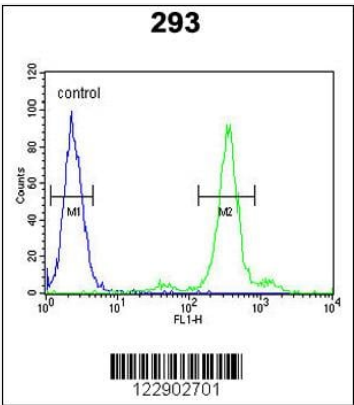
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285724	Rabbit	Human, mouse (Predicted Reactivity: Pig, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

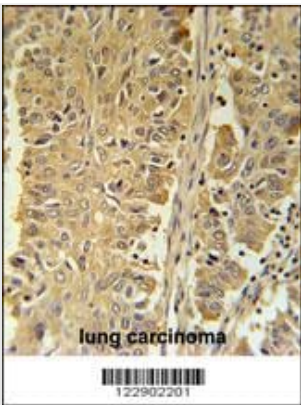
PGD; Polyclonal Antibody; PGD Antibody (Center); 6-phosphogluconate dehydrogenase; decarboxylating; PGDH; anti-PGD antibody

PRODUCT SPECIFICATIONS

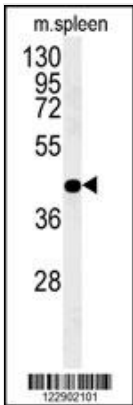
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PGD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 236-265 amino acids from the Central region of human PGD.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	236-265
Sequence Length	483
Applicable Applications for anti-PGD antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



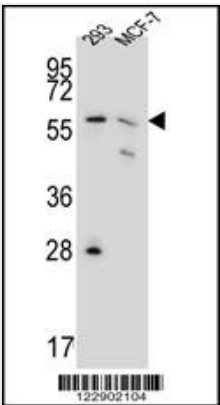
FCM/FACS (Flow Cytometry)
PGD Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
PGD Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PGD Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PGD Antibody (Center) western blot analysis in mouse spleen tissue lysates (35ug/lane).This demonstrates the PGD antibody detected PGD protein (arrow).



WB (Western Blot)
PGD Antibody (Center) western blot analysis in 293,MCF-7 cell line lysates (35ug/lane).This demonstrates the PGD antibody detected PGD protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PGD antibody	6-phosphogluconate dehydrogenase 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.
Product Categories/Family for anti-PGD antibody	Metabolism; Signal Transduction
References	Lehner, B., et al. Genome Res. 14(7):1315-1323(2004) Kerimov, B.F. Vopr. Med. Khim. 48(5):490-496(2002) Rippa, M., et al. Biochim. Biophys. Acta 1429(1):83-92(1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	40068518
NCBI GeneID	5226
NCBI Accession #	NP_002622.2

NCBI GenBank Nucleotide #	NM_002631.3
UniProt Accession #	P52209; Q9BWD8; A8K2Y9; B4DQJ8
Molecular Weight	53140
NCBI Official Full Name	6-phosphogluconate dehydrogenase, decarboxylating isoform 1
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-flow-cytometry-immunohistochemistry-western-blot-elisa/285724>