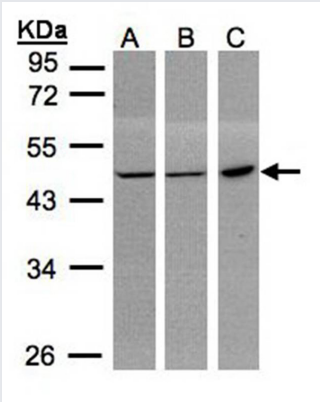
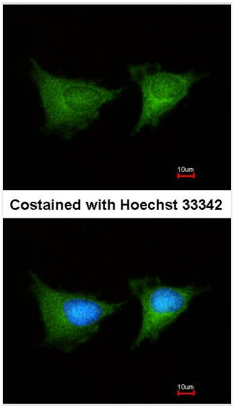
PGD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PGD, Polyclonal Antibody
Full Product Name	PGD antibody
Product Gene Name	anti-PGD antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	Purified by antigen-affinity chromatography.
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.
Molecular Weight	51,872 Da
OMIM	172200
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 171 of Human PGD
Target Name	PGD
Product Categories/Family for anti-PGD antibody	Total protein Ab
Applications Tested/Suitable for anti-PGD antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-PGD antibody	Western blotting: 1:500-1:3000 Immunofluorescence: 1:100-1:200
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. [provided by RefSeq]
Other Notes	Small volumes of anti-PGD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PGD purchase	MBS9412837 is an antibody targeting PGD. Also known as PGD antibody. Reactive in Human. Host: Rabbit.



Testing Data of anti-PGD antibody
Sample(30 ug whole cell lysate)A: 293TB: MOLT4 C: Raji 10% SDS PAGEPrimary antibody diluted at 1: 1000



Immunofluorescence (IF) of anti-PGD antibody
Immunofluorescence analysis of methanol-fixed HeLa, using PGD antibody at 1: 100 dilution.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PGD. It may not necessarily be applicable to this product.

NCBI GI #	40068518
NCBI GeneID	5226
NCBI Accession #	NP_002622
UniProt Secondary Accession #	Q9BWD8; A8K2Y9; B4DQJ8
UniProt Related Accession #	P52209
GenBank Nucleotide #	NM_002631.3
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
UniProt Protein Name	6-phosphogluconate dehydrogenase, decarboxylating
Protein Family	Prostaglandin D2 receptor
UniProt Gene Name	PGD
UniProt Synonym Gene Names	PGDH
UniProt Entry Name	6PGD_HUMAN
NCBI Protein Information	6-phosphogluconate dehydrogenase, decarboxylating
NCBI Summary for PGD	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. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2015]

UniProt Comments for PGD	PGD: an oxidative carboxylase that catalyses the decarboxylating reduction of 6-phosphogluconate into ribulose 5-phosphate in the presence of NADP. This reaction is a component of the hexose mono-phosphate shunt and pentose phosphate pathways. Protein type: Other Amino Acids Metabolism - glutathione; Oxidoreductase; EC 1.1.1.44; Carbohydrate Metabolism - pentose phosphate pathway Chromosomal Location of Human Ortholog: 1p36.22 Cellular Component: nucleus; cytosol Molecular Function: phosphogluconate dehydrogenase (decarboxylating) activity; NADP binding Biological Process: pentose-phosphate shunt; carbohydrate metabolic process; pentose-phosphate shunt, oxidative branch; pathogenesis; D-gluconate metabolic process; pentose biosynthetic process
Research Articles on PGD	**1.** copy number gain of the PGD gene was consistently identified in cervical cancers but not in the normal tissues
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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