PGD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PGD, Polyclonal Antibody
Full Product Name	PGD Polyclonal Antibody
Product Gene Name	anti-PGD antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	51kDa; 53kDa
OMIM	172200
3D Structure	ModBase 3D Structure for P52209
Immunogen	Recombinant protein of human PGD (NP_002622.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PGD antibody	Western Blot (WB)
Application Notes for anti-PGD antibody	WB: 1:500-1:2000
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. Several transcript variants encoding different isoforms have been found for this gene.
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	MBS8573537 is an antibody targeting PGD. Also known as PGD Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

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_002622.2
UniProt Primary Accession #	P52209

GenBank Nucleotide #	NP_002622.2
NCBI Official Full Name	6-phosphogluconate dehydrogenase, decarboxylating isoform 1
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
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: Oxidoreductase; Carbohydrate Metabolism - pentose phosphate pathway; Other Amino Acids Metabolism - glutathione; EC 1.1.1.44 Chromosomal Location of Human Ortholog: 1p36.22 Cellular Component: nucleus; cytosol Molecular Function: phosphogluconate dehydrogenase (decarboxylating) activity; NADP binding Biological Process: pentose-phosphate shunt; pentose-phosphate shunt, oxidative branch; carbohydrate metabolic process; pathogenesis; D-gluconate metabolic process; pentose biosynthetic process
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