

Rabbit PGD Polyclonal Antibody | anti-PGD antibody

PGD Antibody

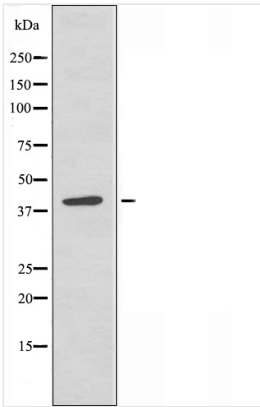
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324396	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

PGD; Polyclonal Antibody; PGD Antibody; 0610042A05Rik; 6-phosphogluconate dehydrogenase; decarboxylating; 6-phosphogluconate dehydrogenase; 6PGD; 6PGD_HUMAN; AU019875; C78335; OTTMUSP00000011754; Pgd; Phosphogluconate dehydrogenase; RP23-249G3.4; anti-PGD antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PGD antibody detects endogenous levels of total PGD
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	461
Applicable Applications for anti-PGD antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from A549 cells, using PGD antibody.



IF (Immunofluorescence)
AAA324396 staining A549 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PGD antibody	Function: Catalyzes the oxidative decarboxylation of 6-phosphogluconate to ribulose 5-phosphate and CO2, with concomitant reduction of NADP to NADPH. Subunit Structure: Homodimer. Similarity: Belongs to the 6-phosphogluconate dehydrogenase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	751130505
NCBI GeneID	5226
NCBI Accession #	NP_001291380.1
NCBI GenBank Nucleotide #	NM_001304451.1
UniProt Accession #	P52209; Q9BWD8; A8K2Y9; B4DQJ8
Molecular Weight	Observed: 40 kD Predicted: 54 kDa
NCBI Official Full Name	6-phosphogluconate dehydrogenase, decarboxylating isoform 2
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

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.