



Datasheet for ABIN7269315
anti-PGD antibody



[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	PGD
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PGD antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Purpose:	PGD Rabbit mAb
Immunogen:	A synthesized peptide derived from human PGD.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	PGD
Alternative Name:	PGD (PGD Products)
Background:	6-phosphogluconate dehydrogenase is the second dehydrogenase in the pentose phosphate

Target Details

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.,PGD, 6PGD, phosphogluconate dehydrogenase,Signal Transduction,Endocrine & Metabolism,PGD

Molecular Weight: 45kDa

Gene ID: 5226

UniProt: [P52209](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200,IP,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

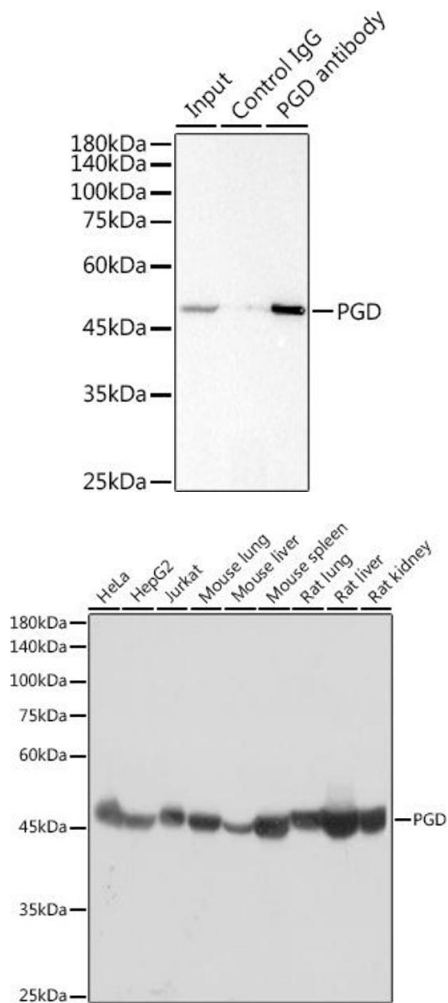
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

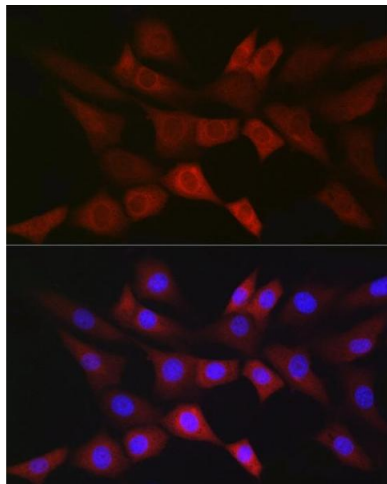


Immunoprecipitation

Image 1. Immunoprecipitation analysis of 300 µg extracts of Jurkat cells using 3 µg PGD antibody (ABIN7269315). Western blot was performed from the immunoprecipitate using PGD antibody (ABIN7269315) at a dilution of 1:1000.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PGD antibody (ABIN7269315) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.



Immunofluorescence

Image 3. Immunofluorescence analysis of NIH/3T3 cells using PGD Rabbit mAb (ABIN7269315) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7269315.