

## DATASHEET

# PGD Rabbit Polyclonal Antibody

CAT. NO. APA13615

### KEY FEATURES

|               |                                                                                                           |               |                     |
|---------------|-----------------------------------------------------------------------------------------------------------|---------------|---------------------|
| Target        | PGD                                                                                                       | Source / Host | Rabbit              |
| Reactivity    | Human, Mouse, Rat                                                                                         | Clonality     | Polyclonal          |
| Applications  | WB, IHC                                                                                                   | Conjugation   | Unconjugated        |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |               | Storage<br>at -20°C |

### BACKGROUND

Catalyzes the oxidative decarboxylation of 6-phosphogluconate to ribulose 5-phosphate and CO<sub>2</sub>, with concomitant reduction of NADP to NADPH.

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

|     |                |
|-----|----------------|
| WB  | 1:500 - 1:2000 |
| IHC | 1:50 - 1:200   |

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

|                   |                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------|
| Description       | Rabbit polyclonal antibody to PGD                                                                         |
| Specificity       | Recognizes endogenous levels of PGD protein.                                                              |
| Antibody Type     | Primary antibody                                                                                          |
| Immunogen         | Recombinant fusion protein of human PGD                                                                   |
| Purification      | The antibody was purified by immunogen affinity chromatography.                                           |
| Molecular Weight  | Predicted: 51; Observed: 46 kD                                                                            |
| Form/Buffer       | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | PGDH; 6-phosphogluconate dehydrogenase, decarboxylating                                                   |
| Gene Symbol       | PGD                                                                                                       |
| Entrez Gene       | 5226(Human); 110208(Mouse); 100360180(Rat)                                                                |
| SwissProt         | P52209(Human); Q9DCD0(Mouse); P85968(Rat)                                                                 |

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

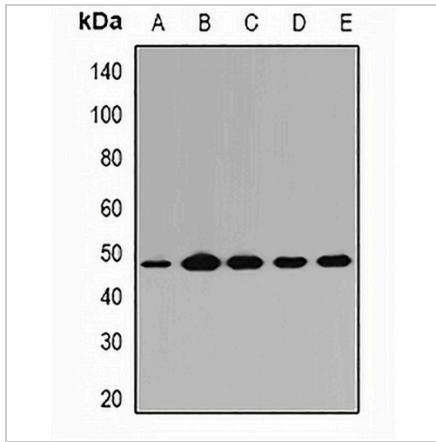
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

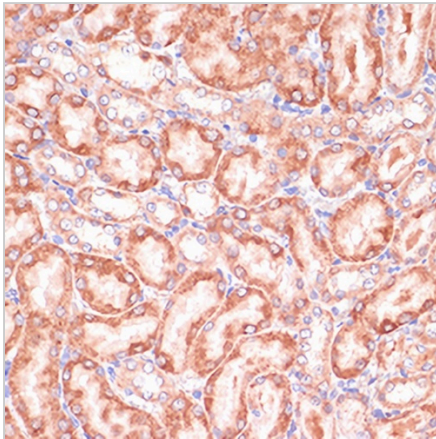
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**DATA**



Western blot analysis of PGD expression in A549 (A), Raji (B), mouse lung (C), mouse spleen (D), rat kidney (E) whole cell lysates. (Predicted band size: 51; 53 kD; Observed band size: 46 kD)



Immunohistochemical analysis of PGD staining in rat kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.