



# PGD Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-12792
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	PGD
<b>Protein Name</b>	6-phosphogluconate dehydrogenase decarboxylating
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PGD. AA range:71-120
<b>Specificity</b>	PGD Monoclonal Antibody detects endogenous levels of PGD protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	PGD; PGDH; 6-phosphogluconate dehydrogenase; decarboxylating
<b>Observed Band</b>	40kD
<b>Cell Pathway</b>	Cytoplasm .
<b>Tissue Specificity</b>	Heart,Lung,
<b>Function</b>	catalytic activity:6-phospho-D-gluconate + NADP(+) = D-ribulose 5-phosphate + CO(2) + NADPH.,pathway:Carbohydrate degradation; pentose phosphate pathway; D-ribulose 5-phosphate from D-glucose 6-phosphate (oxidative stage): step 3/3.,similarity:Belongs to the 6-phosphogluconate dehydrogenase family.,subunit:Homodimer.,
<b>Background</b>	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],

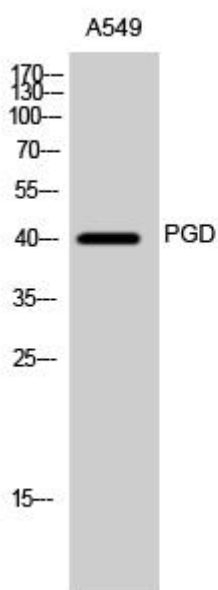
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using PGD Monoclonal Antibody