



PGD Monoclonal Antibody

Catalog No	YP-mAb-12792
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PGD
Immunogen	The antiserum was produced against synthesized peptide derived from human PGD. AA range:71-120
Specificity	PGD Monoclonal Antibody detects endogenous levels of PGD protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PGDH;EC:1.1.1.44;6-phosphogluconate dehydrogenase;decarboxylating;6PGD; PGD;6-phosphogluconate dehydrogenase decarboxylating
Observed Band	40kD
Calculated Molecular Weight	40kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Heart,Lung,
Function	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.,
Background	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],

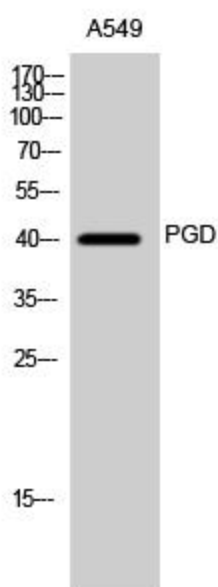
matters needing attention

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