ARG57072
anti-PGD antibody [46B3]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [46B3] recognizes PGD
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	46B3
Isotype	IgG2b, kappa
Target Name	PGD
Species	Human
Immunogen	Recombinant fragment around aa. 1-483 of Human PGD.
Conjugation	Un-conjugated
Alternate Names	6PGD; 6-phosphogluconate dehydrogenase, decarboxylating; EC 1.1.1.44

Application Instructions

Application table

Application	Dilution
WB	Assay-dependent

Application Note

* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

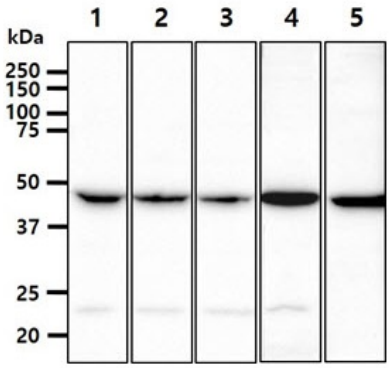
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 5226 Human Swiss-port # P52209 Human
Gene Symbol	PGD
Gene Full Name	phosphogluconate dehydrogenase
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]
Function	Catalyzes the oxidative decarboxylation of 6-phosphogluconate to ribulose 5-phosphate and CO(2), with concomitant reduction of NADP to NADPH. [UniProt]
Calculated Mw	53 kDa

Images



ARG57072 anti-PGD antibody [46B3] WB image

Western blot: 40 µg of 1) HeLa cell lysate, 2) MCF7 cell lysate, 3) 293T cell lysate, 4) A549 cell lysate, 5) Jurkat cell lysate stained with ARG57072 anti-PGD antibody [46B3] at 1:1000.