

Product datasheet for **TA308104**

PGD Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Mouse, Chicken, Xenopus, Zebrafish, Bovine)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 201 of PGD (Uniprot ID#P52209)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53 kDa
Gene Name:	phosphogluconate dehydrogenase
Database Link:	NP_002622 Entrez Gene 110208 Mouse Entrez Gene 5226 Human P52209
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. [provided by RefSeq]
Synonyms:	6PGD

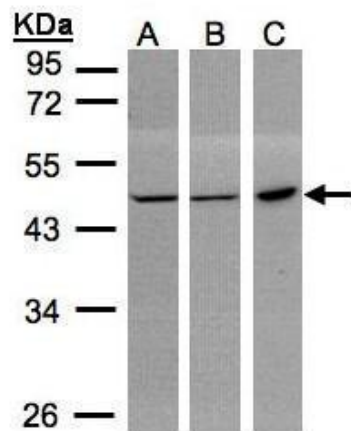


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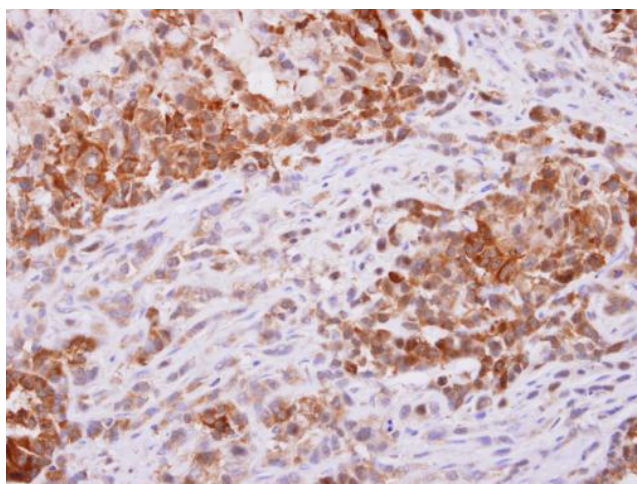
Note: Seq homology of immunogen across species: Mouse (97%), Chicken (90%), Xenopus laevis (85%), Zebrafish (86%), Bovine (94%)

Protein Pathways: Glutathione metabolism, Metabolic pathways, Pentose phosphate pathway

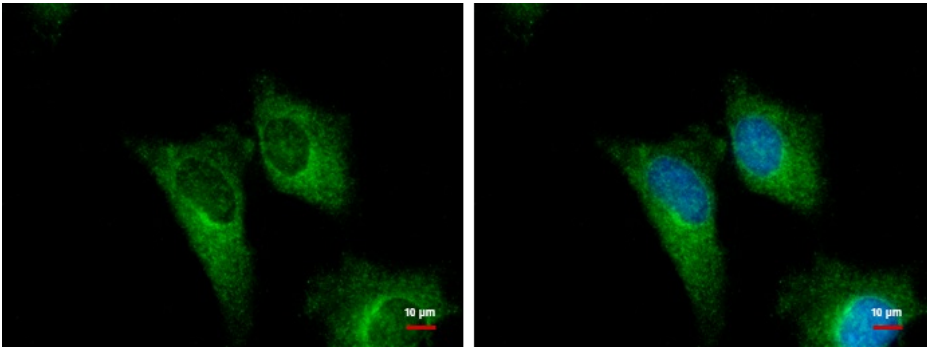
Product images:



Sample (30 ug whole cell lysate). A:293T. B:MOLT4. C:Raji. 10% SDS PAGE. TA308104 diluted at 1:1000



PGD antibody [N1N3] detects PGD protein at cytoplasm on A549 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded A549 xenograft. PGD antibody [N1N3] (TA308104) dilution: 1:500.



PGD antibody [N1N3] detects PGD protein at cytoplasm by immunofluorescent analysis. Sample: HeLa cells were fixed in ice-cold MeOH for 5 min. Green: PGD protein stained by PGD antibody [N1N3] (TA308104) diluted at 1:500. Blue: Hoechst 33342 staining.