
Product Name: Glucose 6 Phosphate Dehydrogenase Rabbit Monoclonal antibody
Catalog #: AMRe03011

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Concentration	0.14mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purified

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200
Molecular Weight	Calculated MW: 59 kDa; Observed MW: 59 kDa

Antigen Information

Gene Name	G6PD
Alternative Names	G6PD; Glucose-6-phosphate 1-dehydrogenase; G6PD
Gene ID	2539
SwissProt ID	P11413
Immunogen	A synthetic peptide of human Glucose 6 Phosphate Dehydrogenase

Background

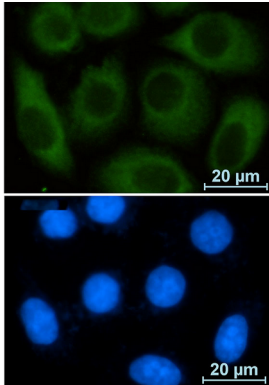
Catalyzes the rate-limiting step of the oxidative pentose-phosphate pathway, which represents a route for the dissimilation of carbohydrates besides glycolysis. The main function of this enzyme is to provide reducing power (NADPH) and pentose

phosphates for fatty acid and nucleic acid synthesis.

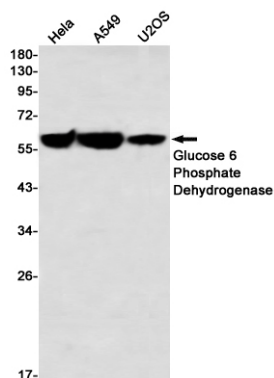
Research Area

Signal Transduction

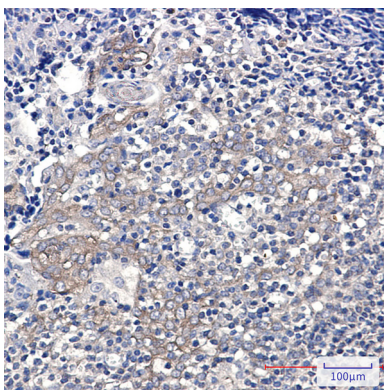
Image Data



Immunocytochemistry analysis of Glucose 6 Phosphate Dehydrogenase (green) in A549 using Glucose 6 Phosphate Dehydrogenase antibody, and DAPI (blue).



Western blot analysis of Glucose 6 Phosphate Dehydrogenase in HeLa, A549, U2OS lysates using Glucose 6 Phosphate Dehydrogenase antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Glucose 6 Phosphate Dehydrogenase antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.