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

Summary

Production Name	Glucose 6 Phosphate Dehydrogenase Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	G6PD
Alternative Names	G6PD; Glucose-6-phosphate 1-dehydrogenase; G6PD
Gene ID	2539
SwissProt ID	P11413

Application

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

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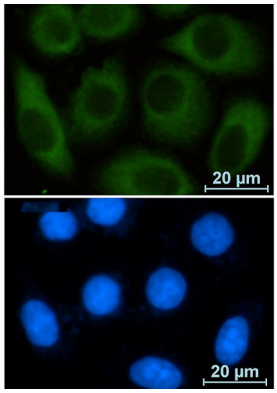
Background

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.

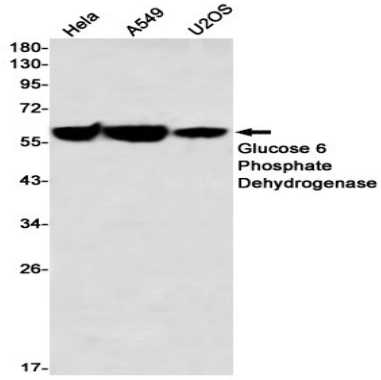
Research Area

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.

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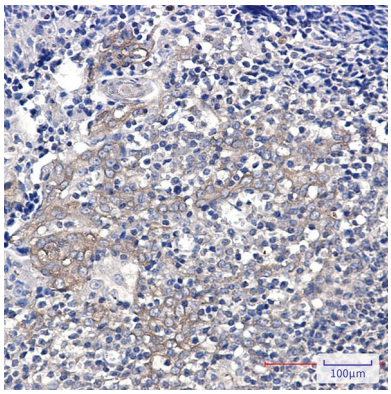

Immunohistochemistry analysis of paraffin-embedded Human tonsil using Glucose 6 Phosphate Dehydrogenase antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.